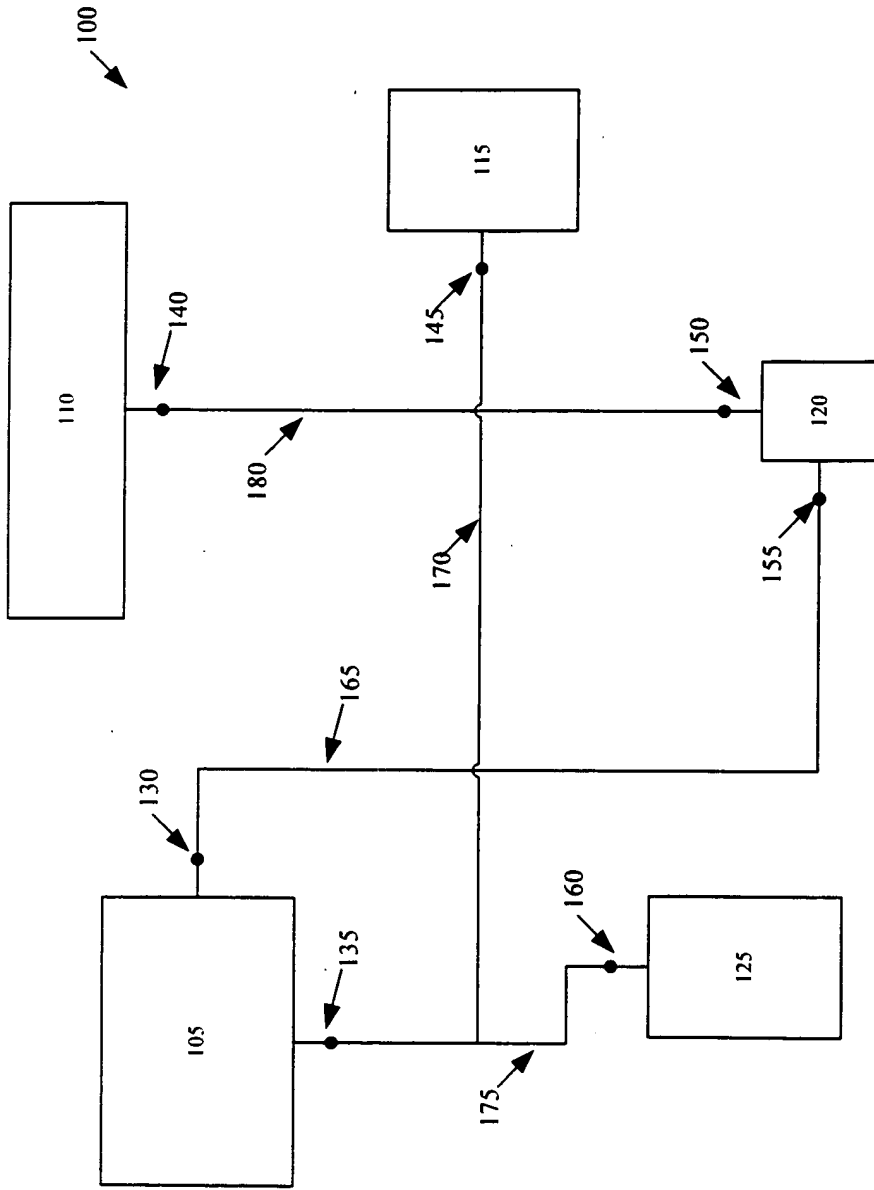
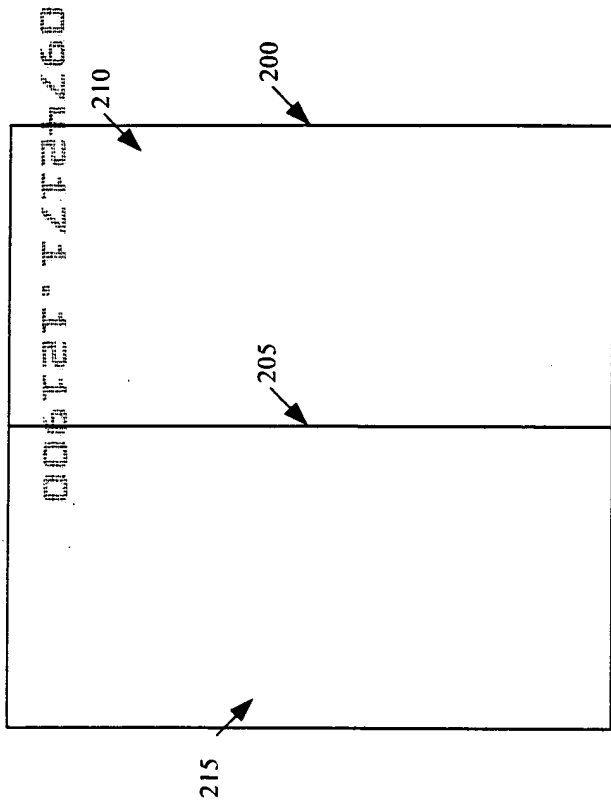


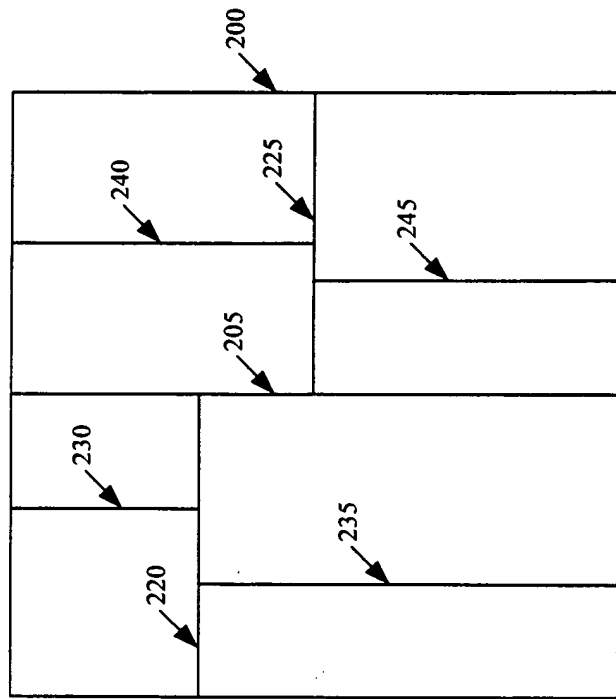
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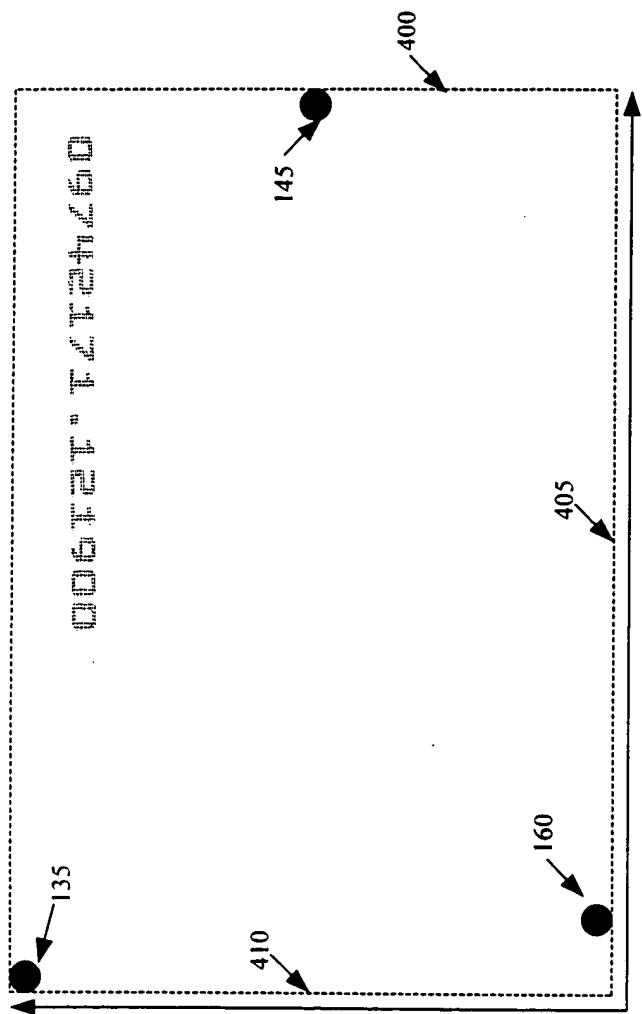
*Figure 1*



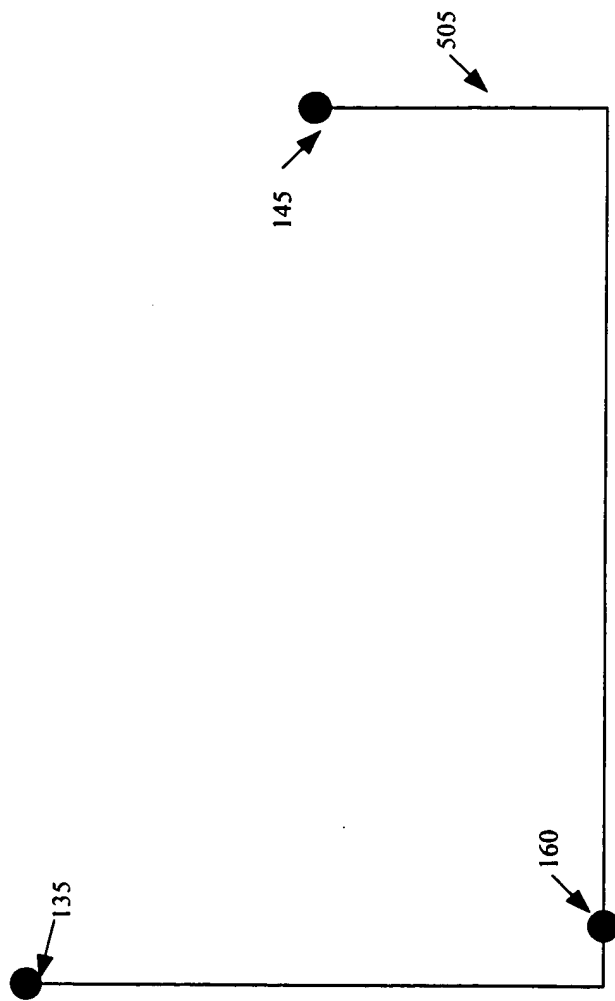
*Figure 2*



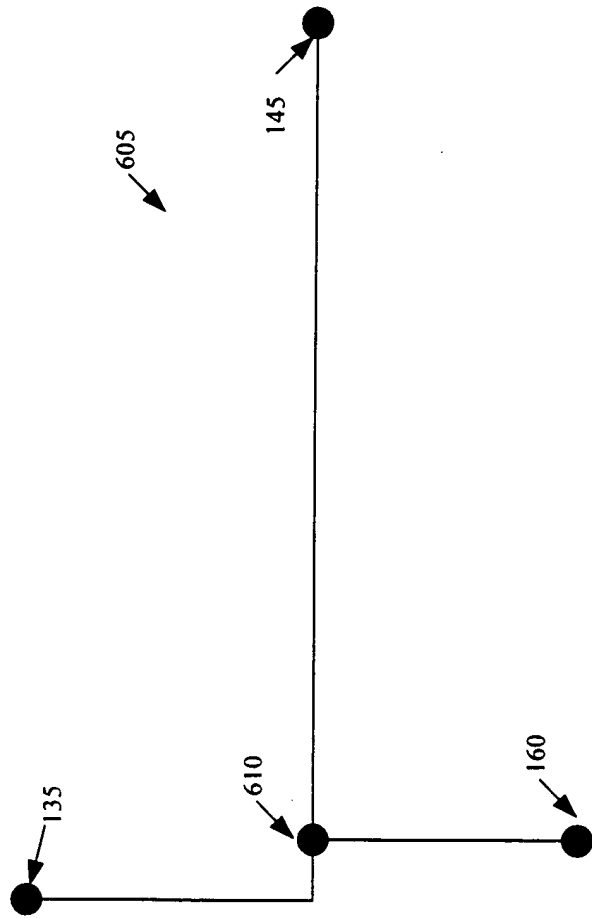
*Figure 3*



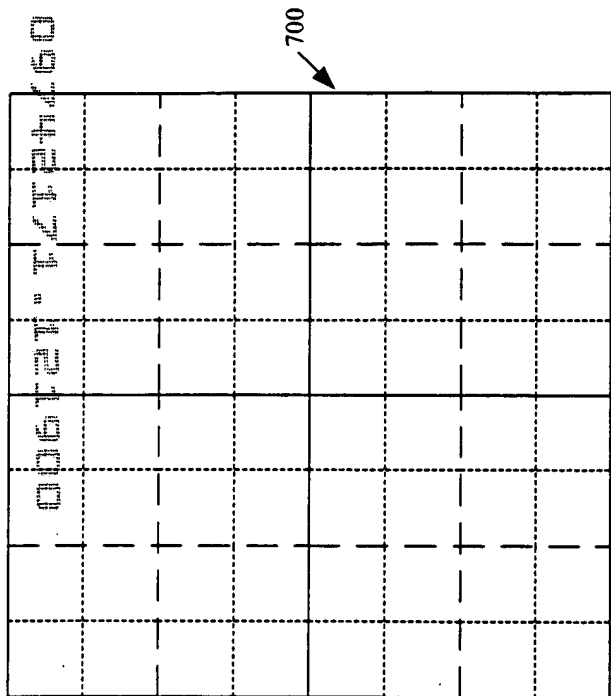
*Figure 4*



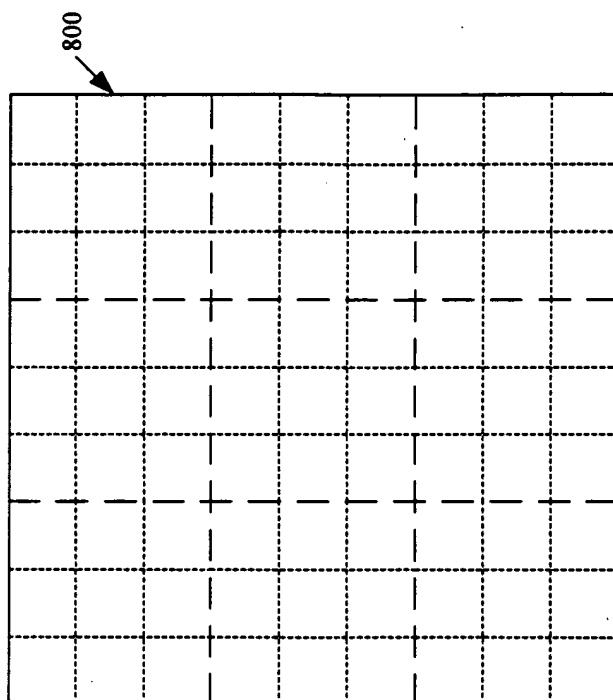
*Figure 5*



*Figure 6*



*Figure 7*



*Figure 8*

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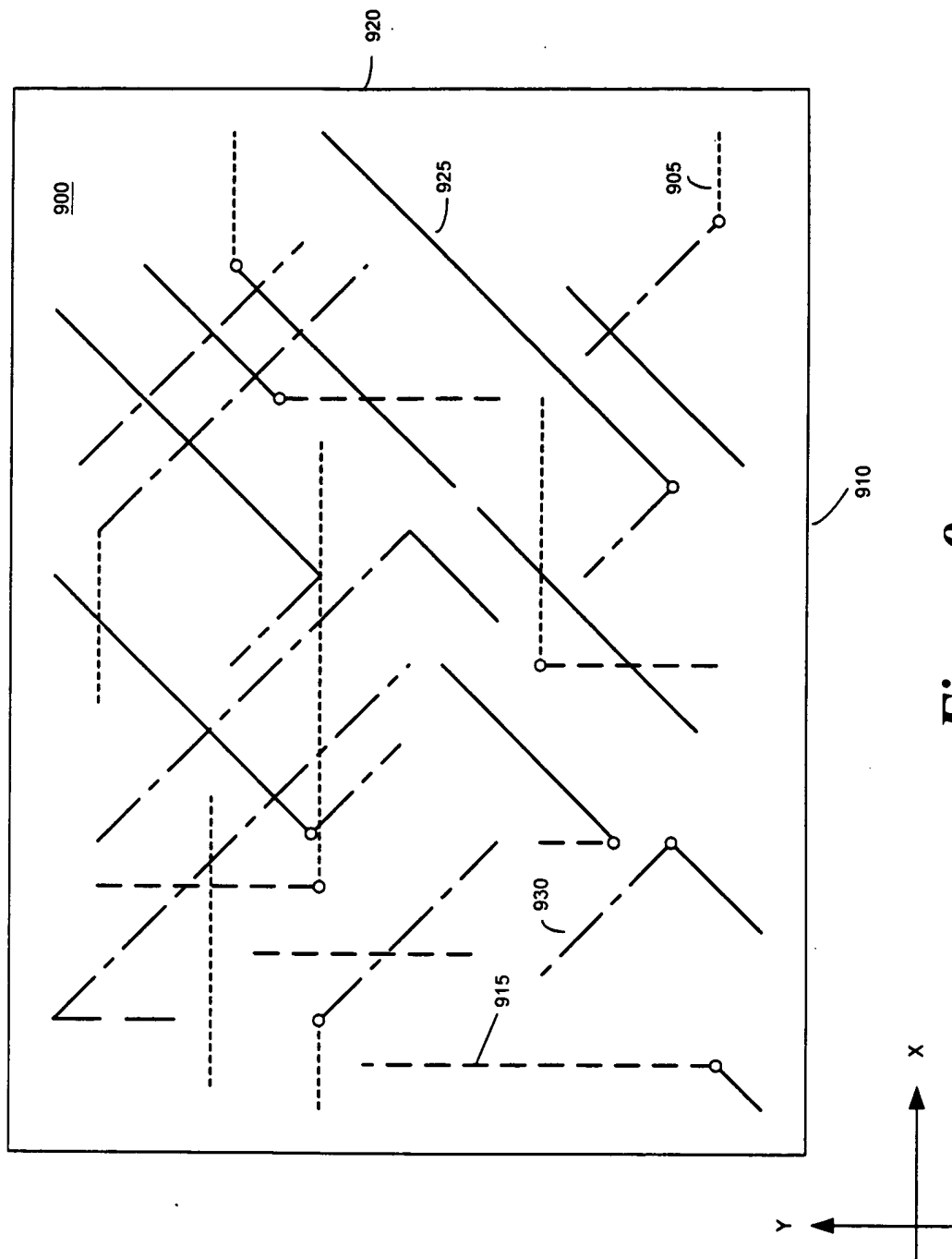
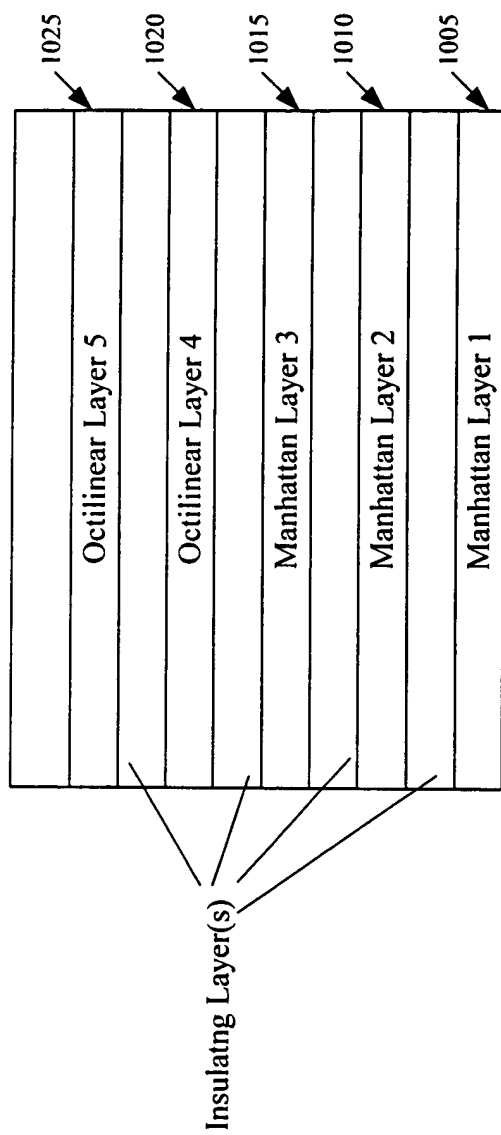
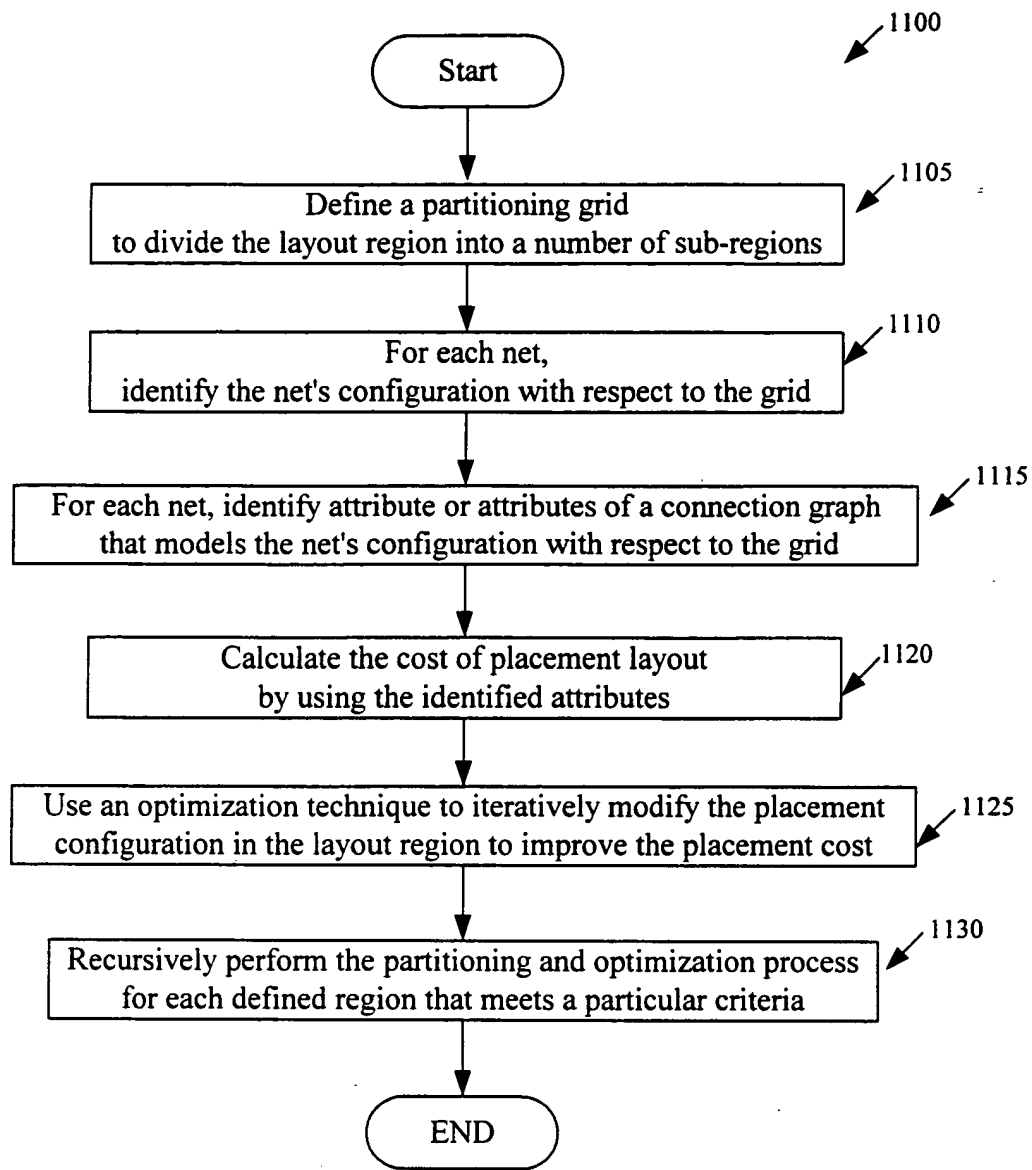


Figure 9

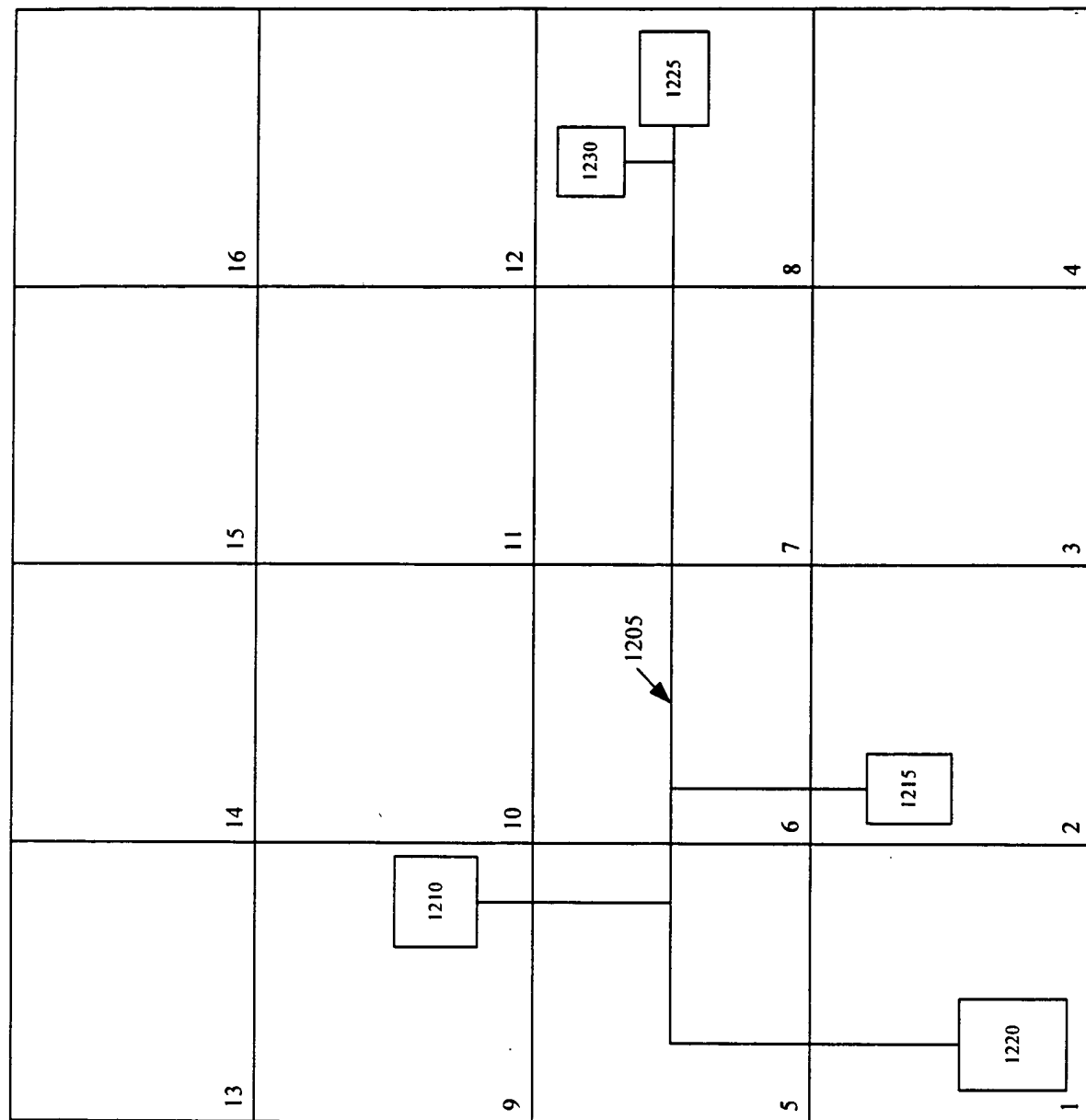


*Figure 10*



*Figure 11*





*Figure 12*

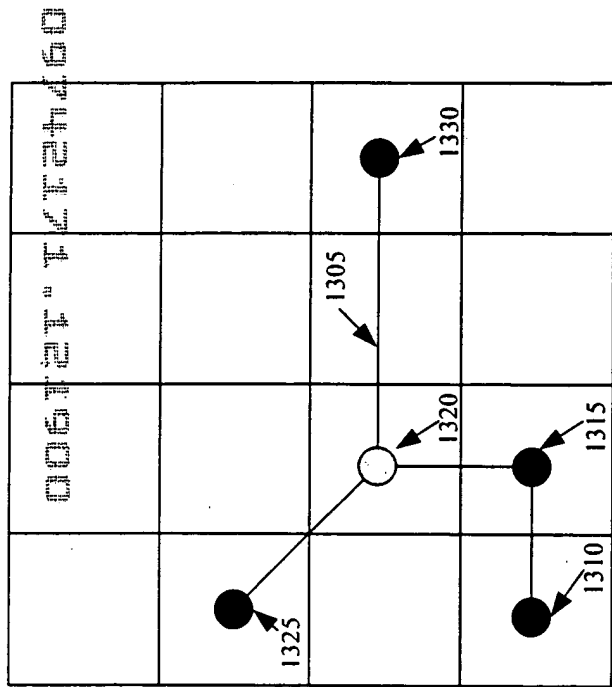


Figure 13

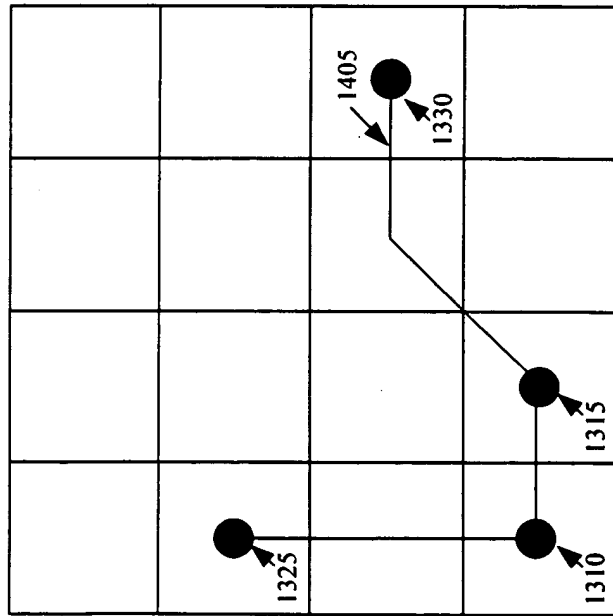


Figure 14

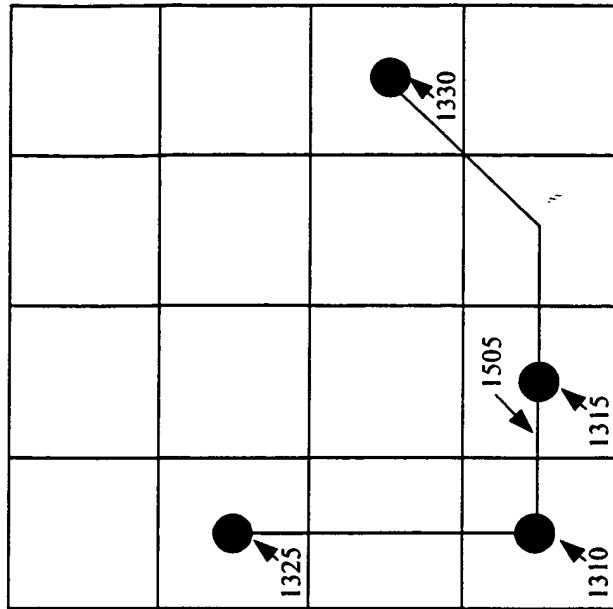


Figure 15

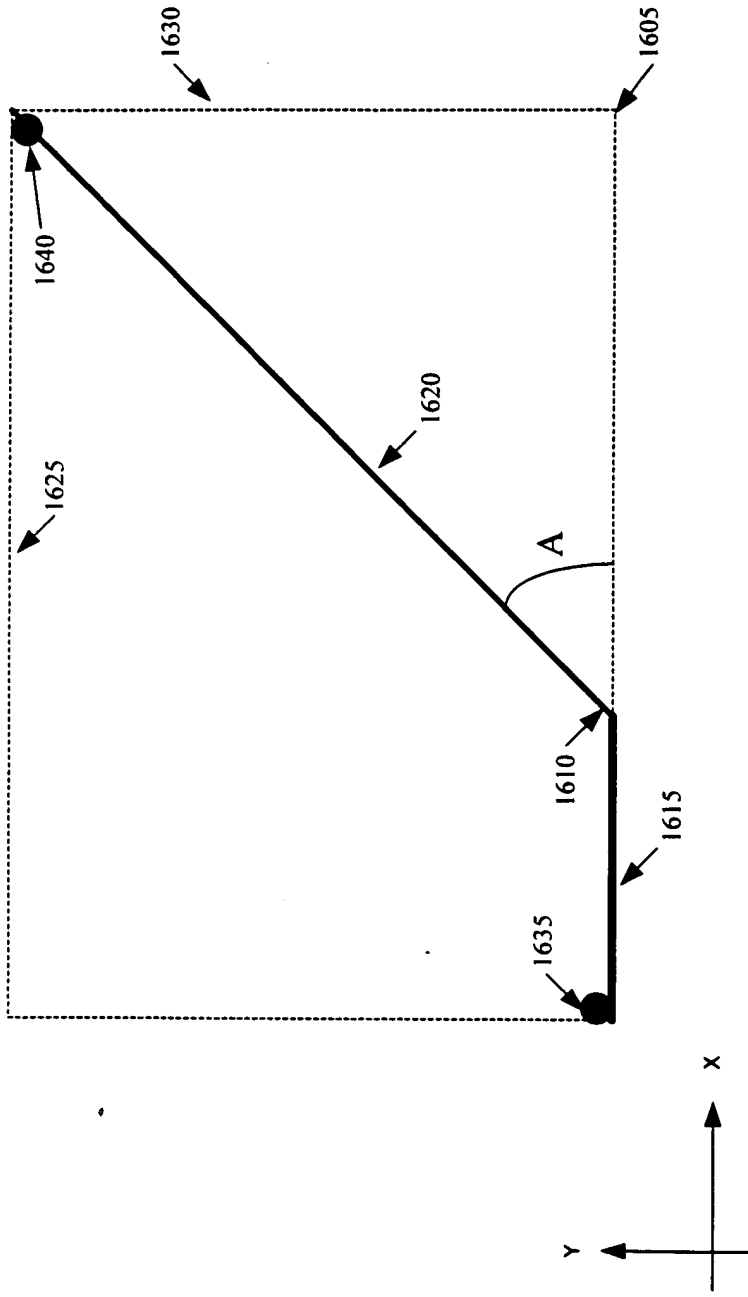


Figure 16

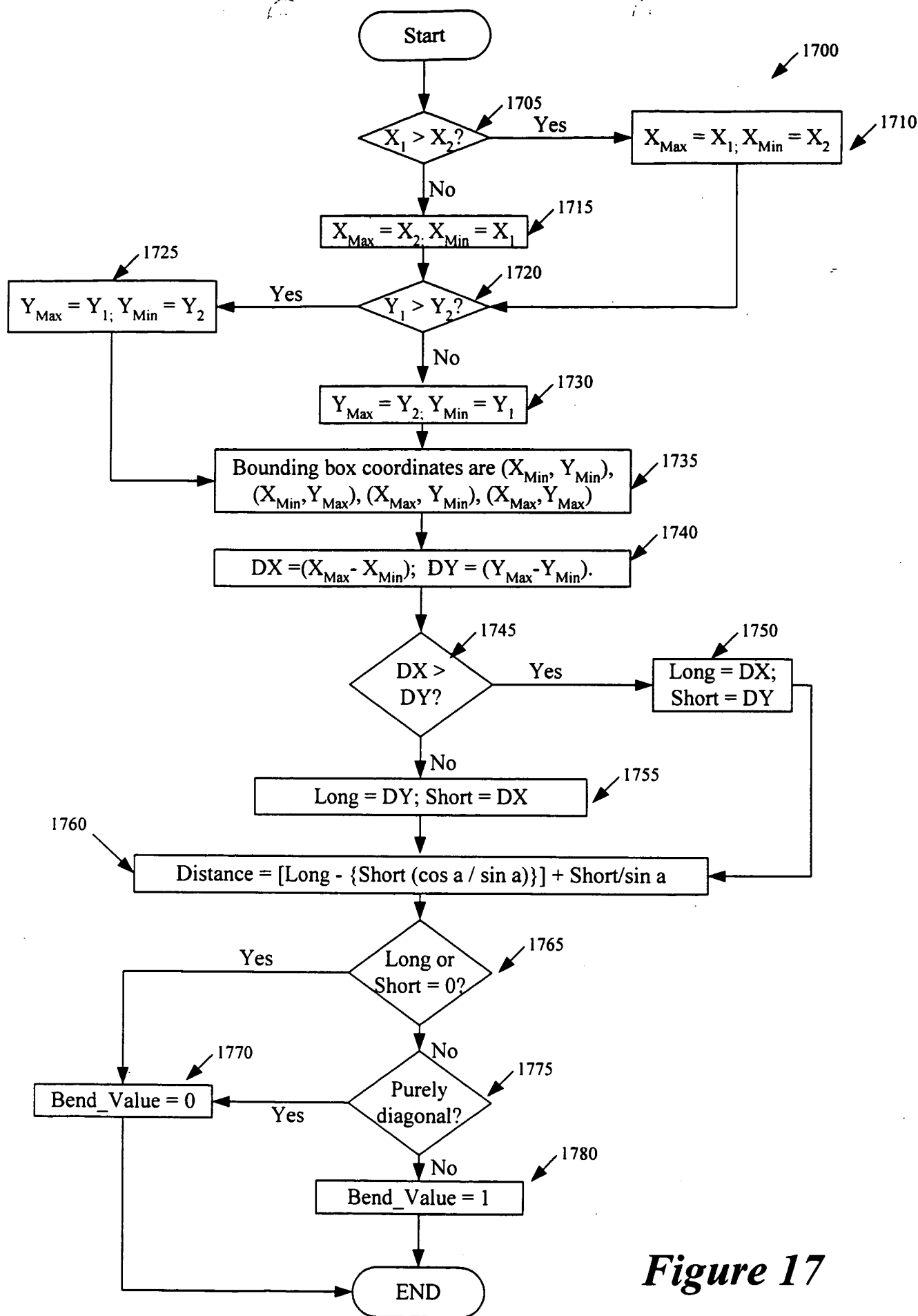
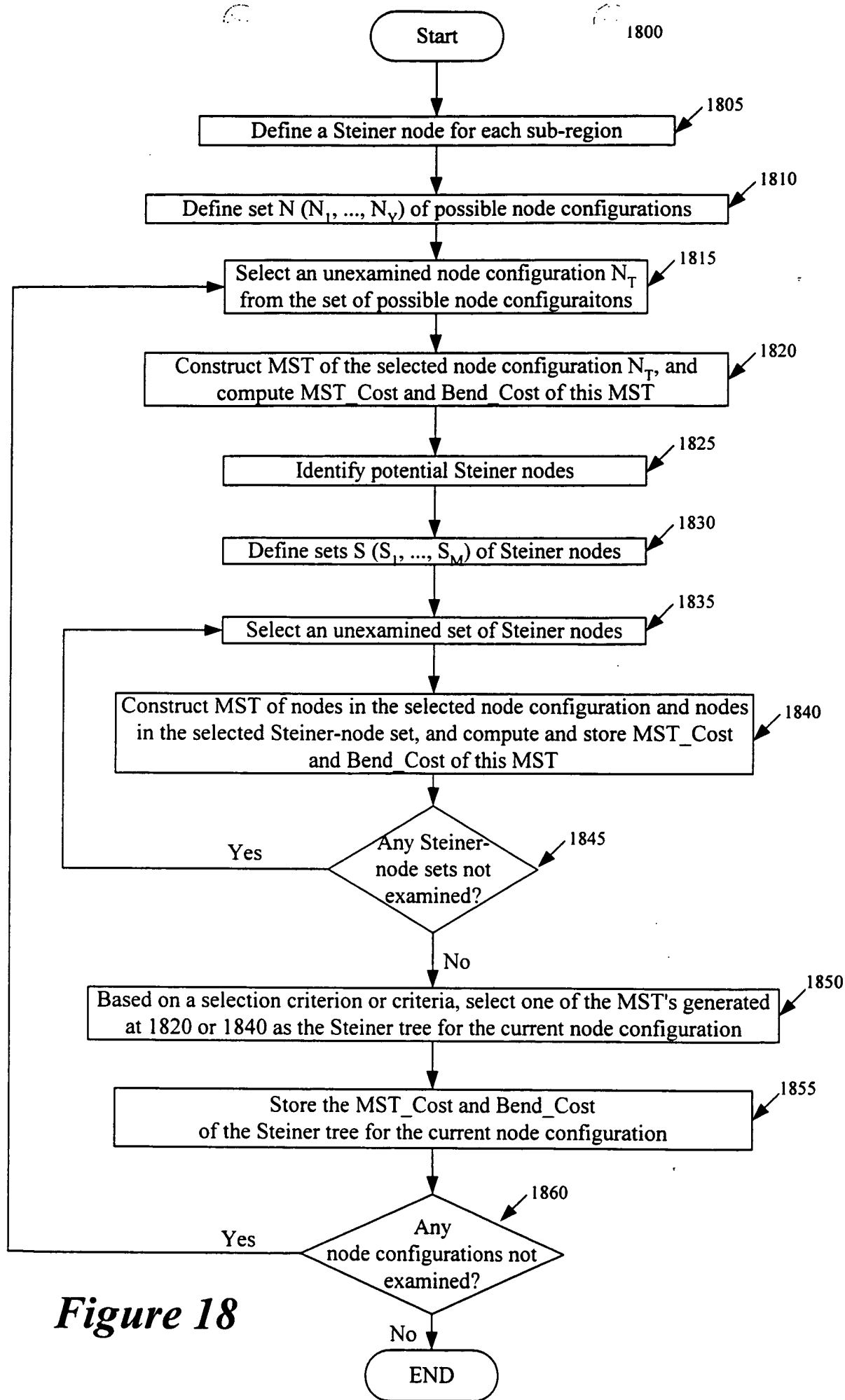
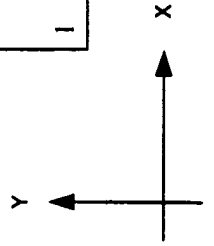
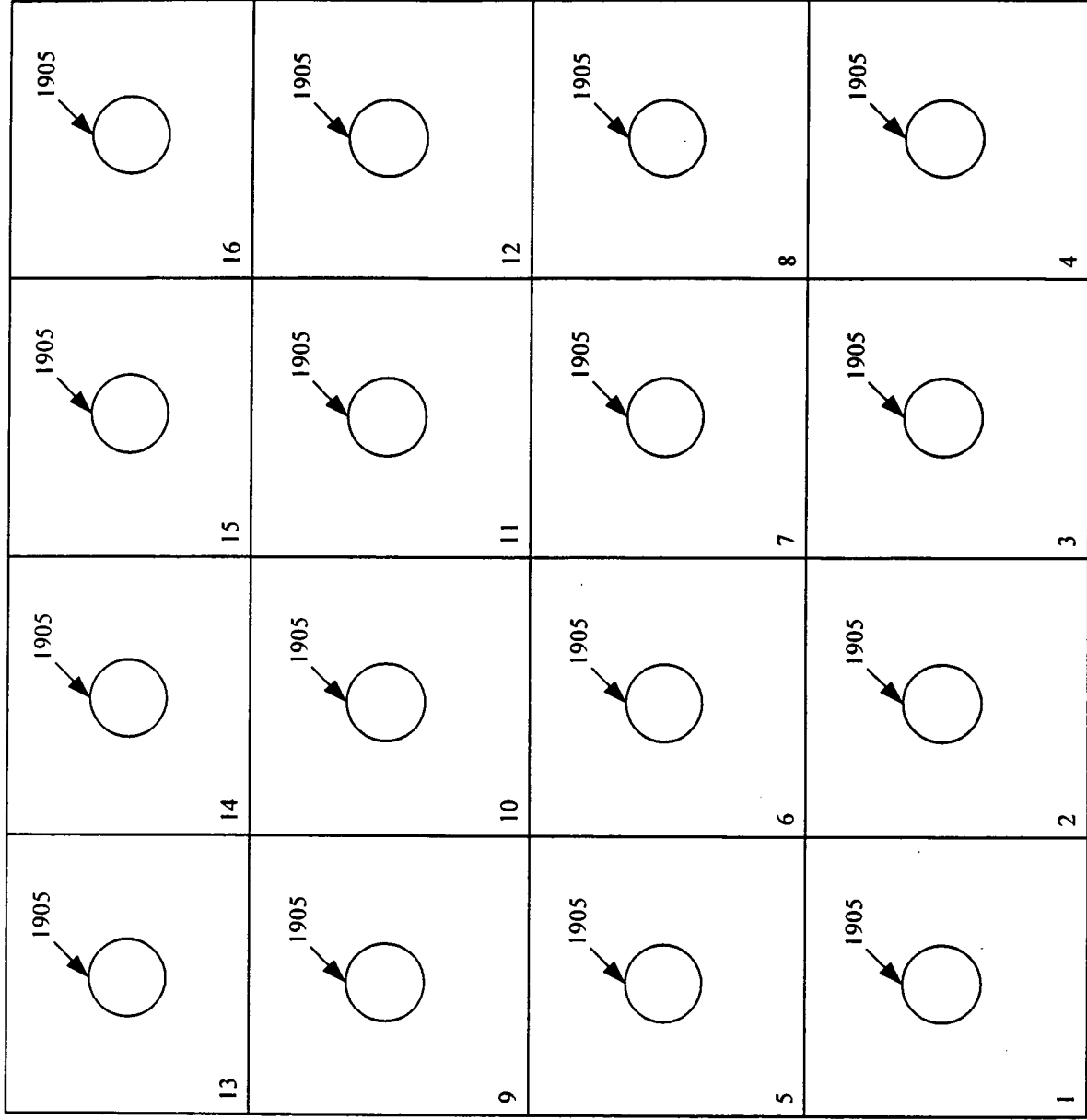


Figure 17





*Figure 19*

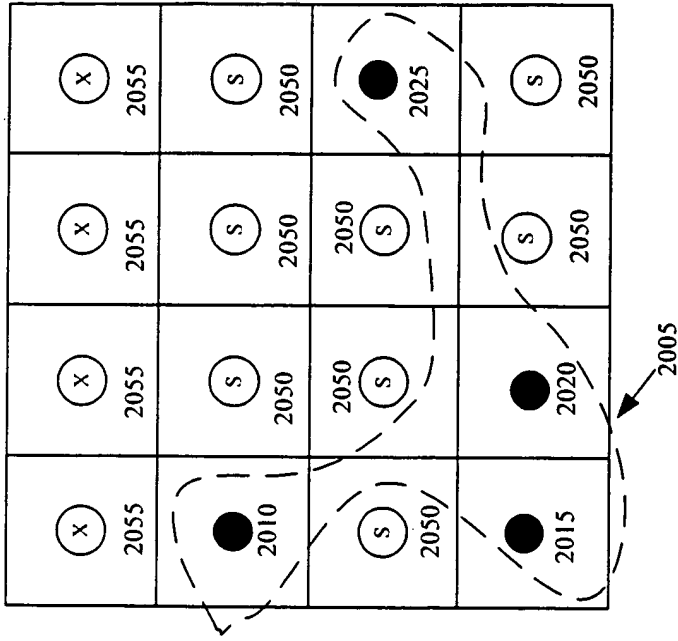
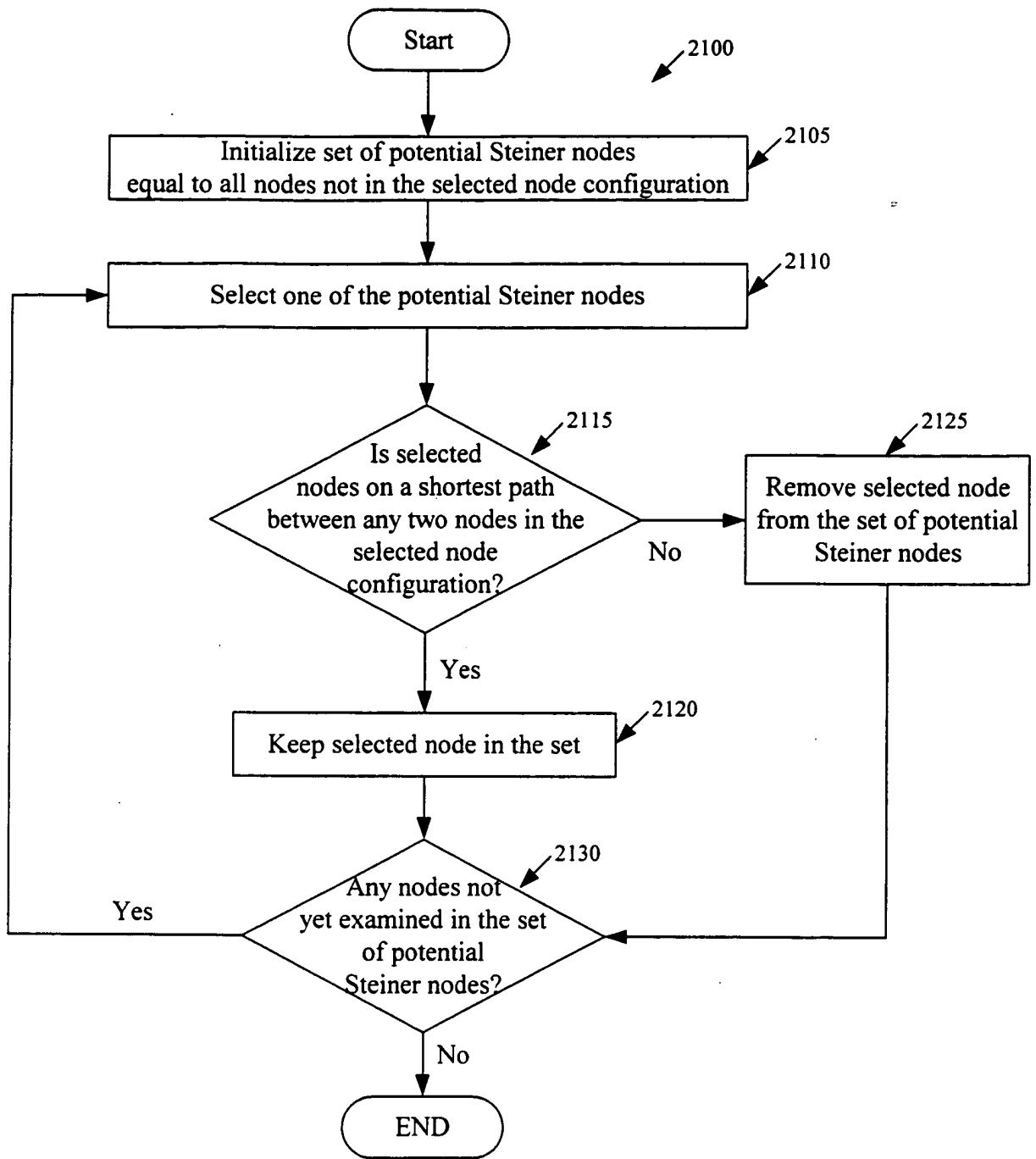
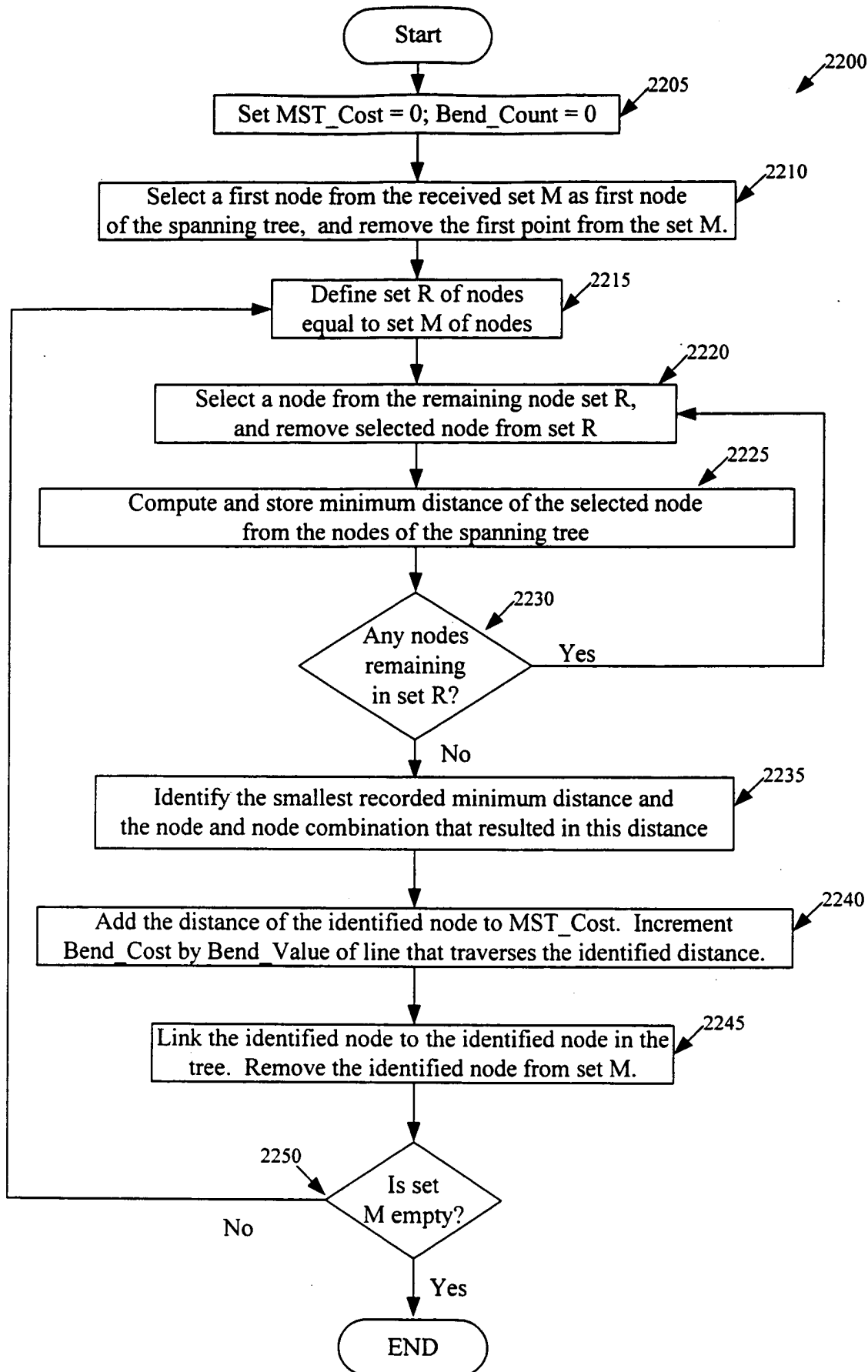


Figure 20



**Figure 21**





**Figure 22**

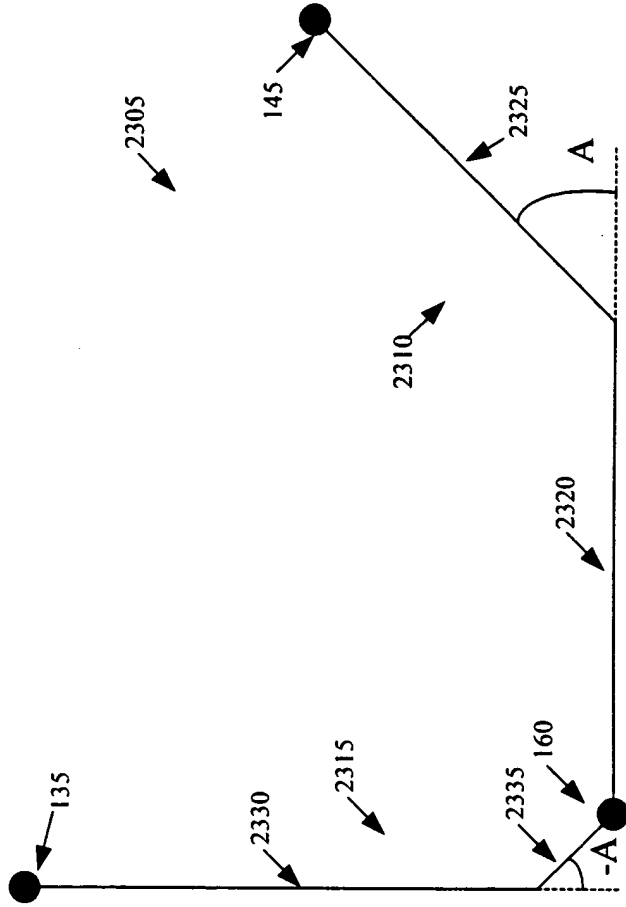


Figure 23

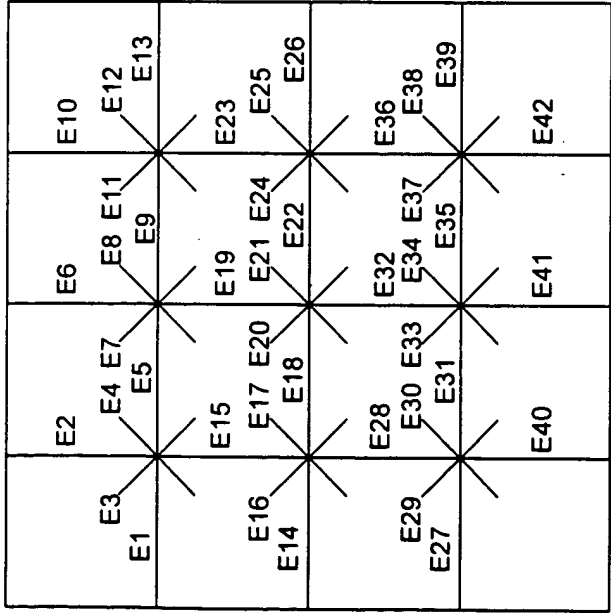


Figure 24

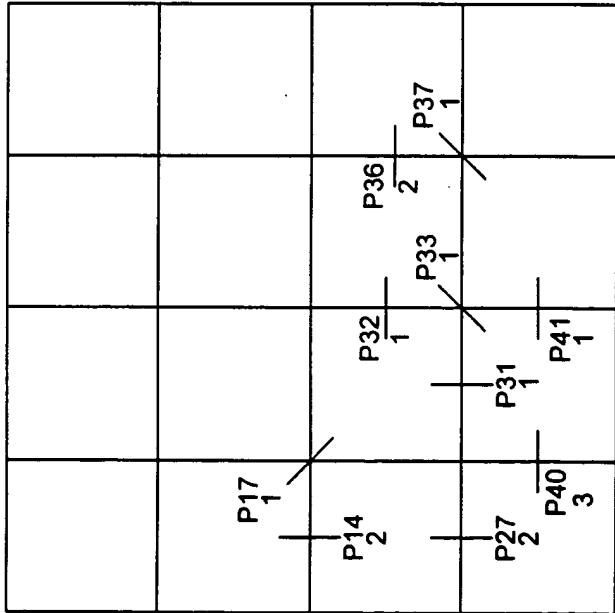


Figure 26

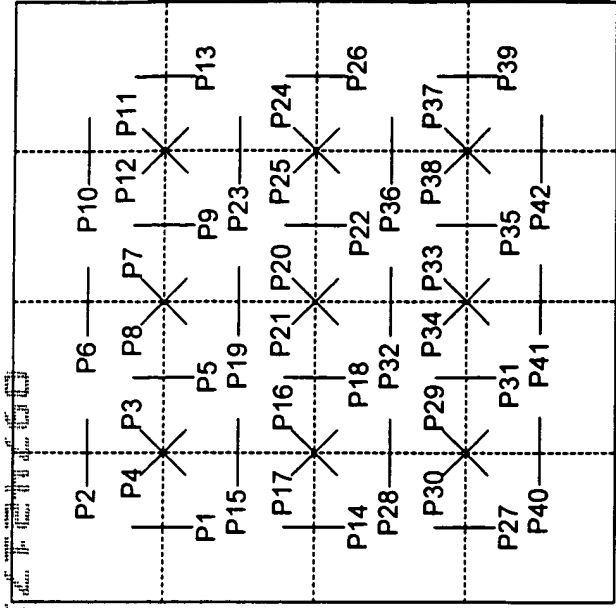


Figure 25

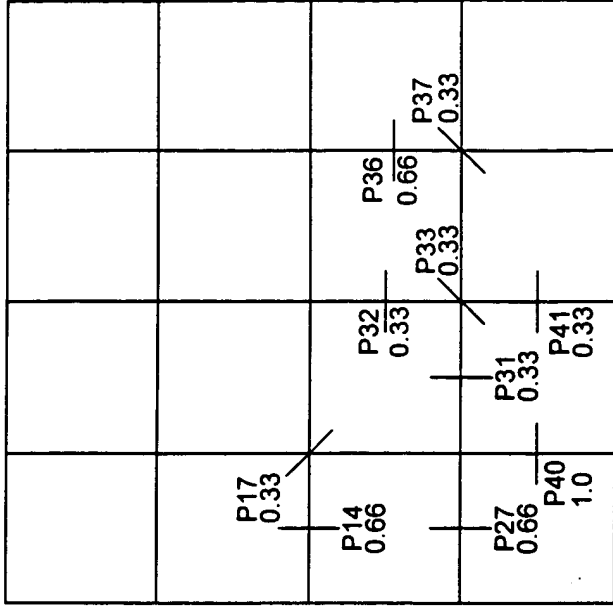


Figure 27

	E17 1	E32 1	E36 2
E14 2		E31 1	E37 1
E27 2		E33 1	E41 1
		E40 3	

Figure 28

	E17 0.33	E32 0.33	E36 0.66
E14 0.66		E31 0.33	E37 0.33
E27 0.66		E33 0.33	E41 0.33
		E40 1.0	

Figure 29



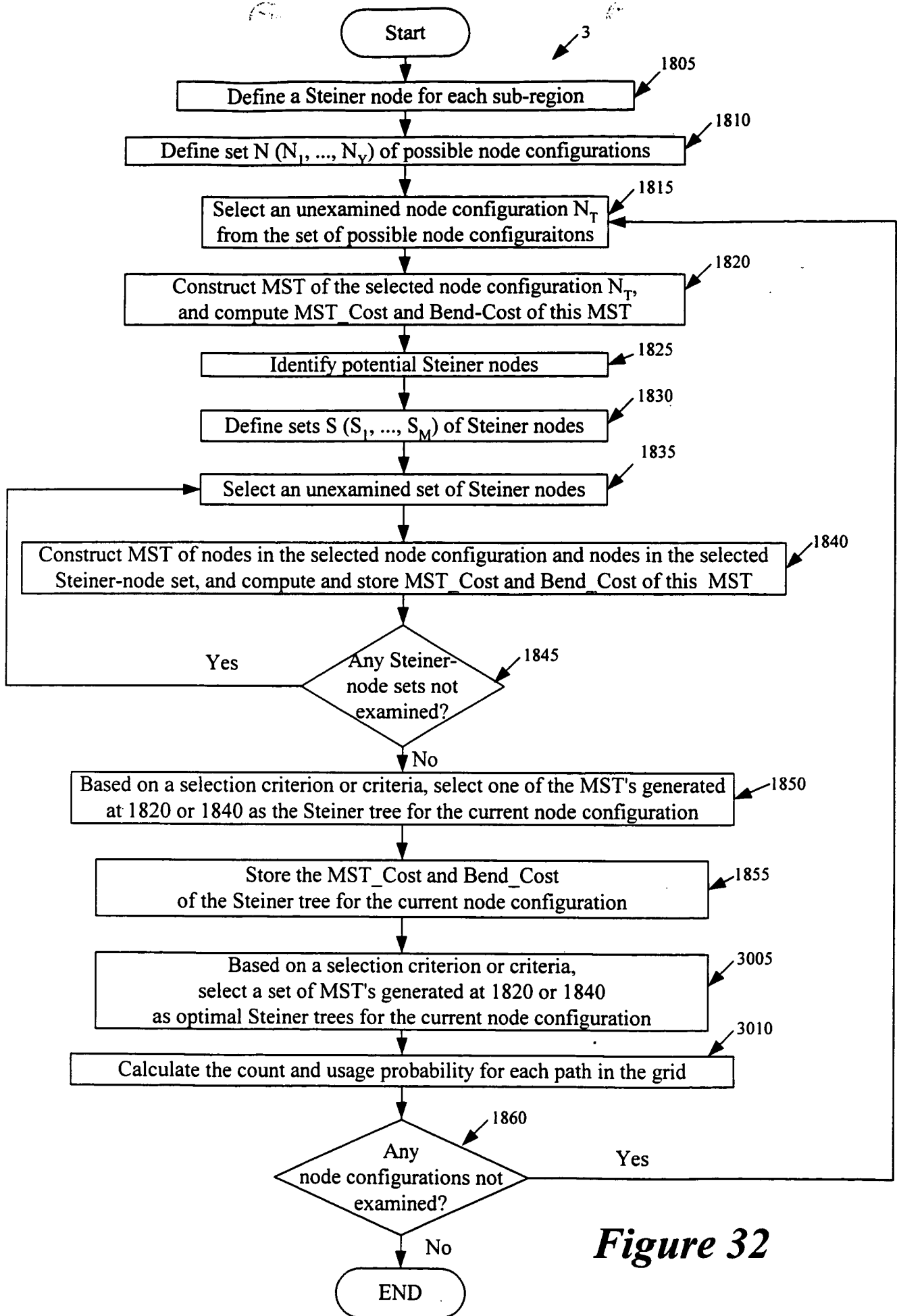
```

graph TD
    Start([Start]) --> 3105[Set count for each path to 0]
    3105 --> 3110[Select a tree]
    3110 --> 3115[Select an edge of the tree (i.e., select a pair of nodes in the tree)]
    3115 --> 3120[Retrieve values for the possible paths used by this tree edge]
    3120 --> 3125[Increment count of the paths based on the retrieved values]
    3125 --> 3130{Last edge of current tree?}
    3130 -- No --> 3115
    3130 -- Yes --> 3135{Last tree?}
    3135 -- No --> 3110
    3135 -- Yes --> 3140[Store the count value, divide each path's count by the number of trees, and store the resulting probability value]
    3140 --> END([END])

```

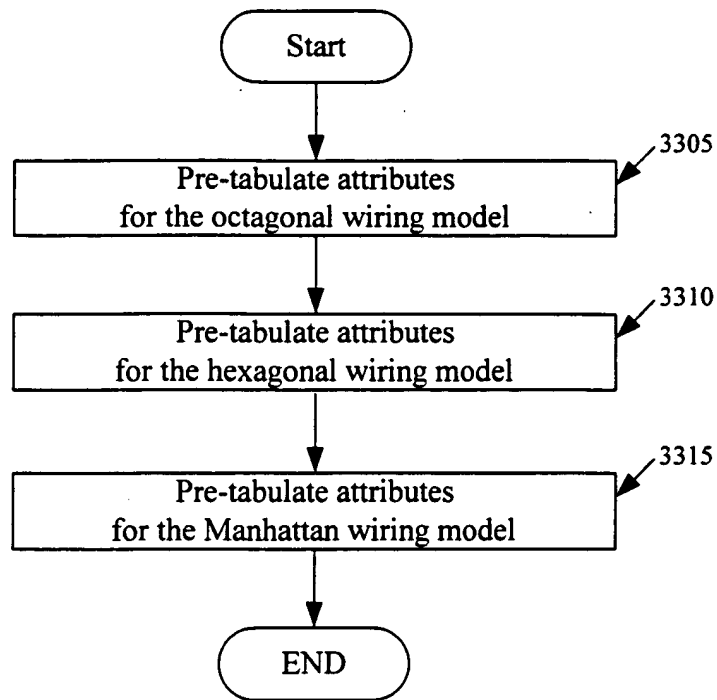
**Figure 31**

**Figure 31**



**Figure 32**

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***Figure 33***



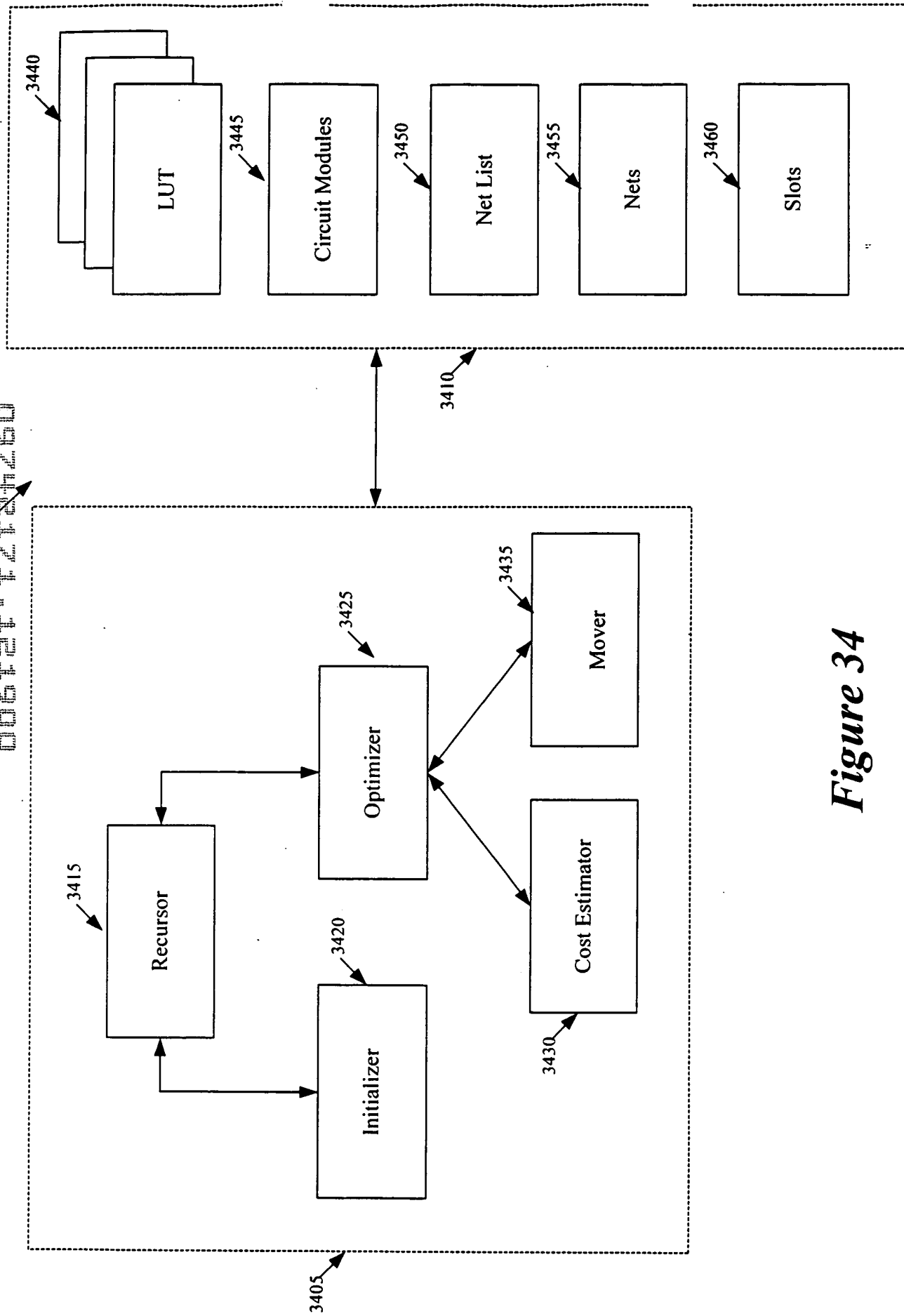
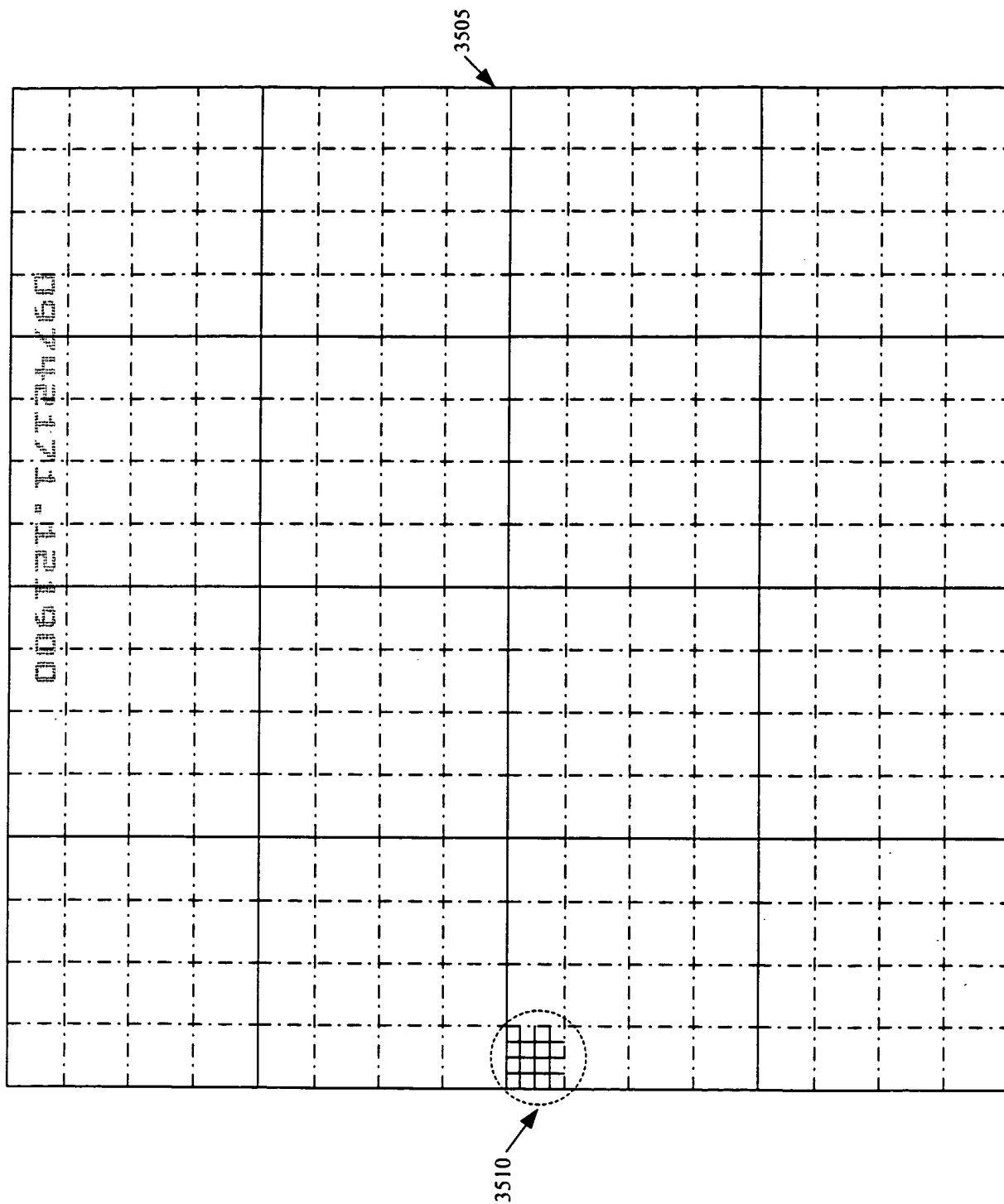


Figure 34



*Figure 35*

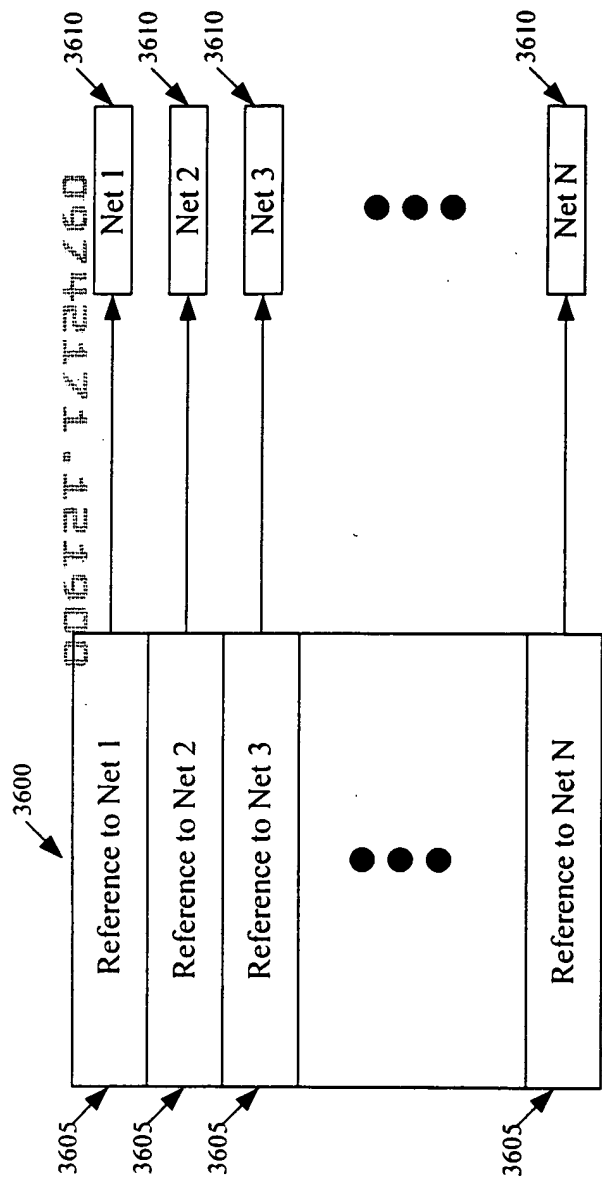


Figure 36

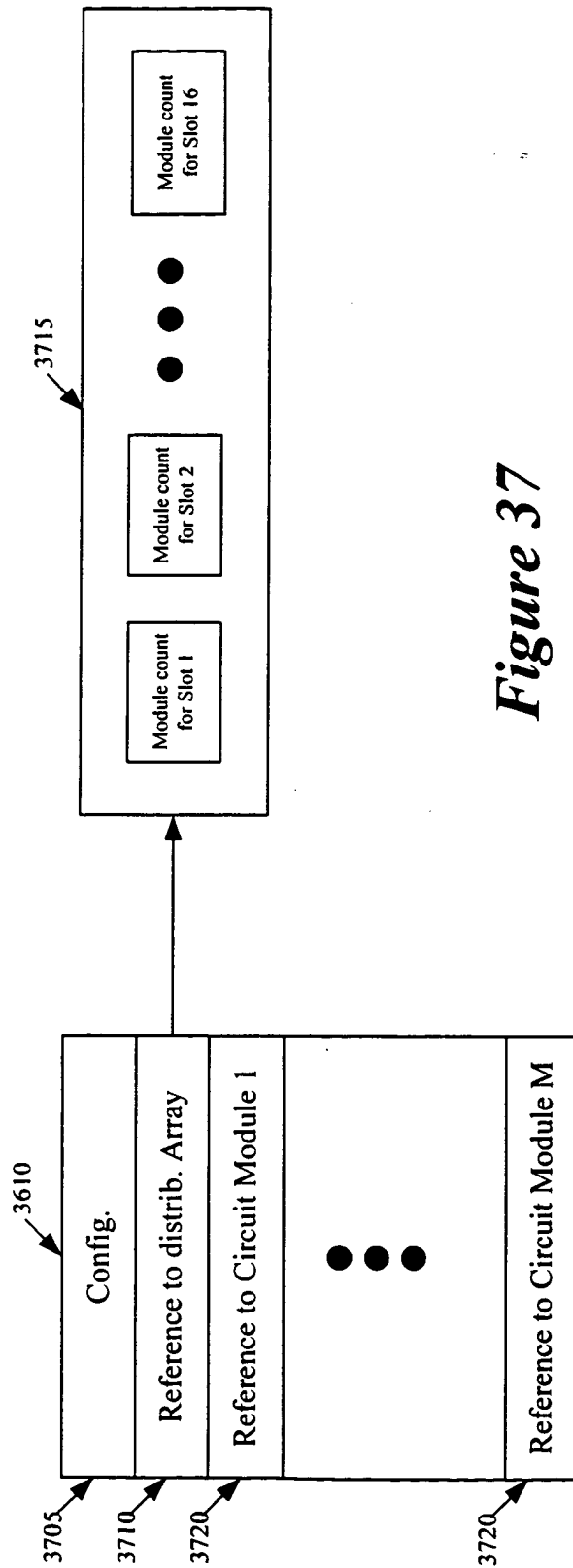
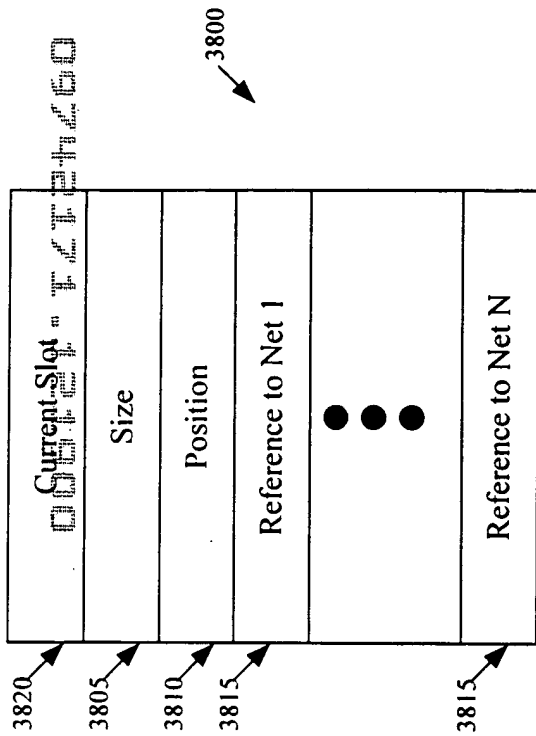
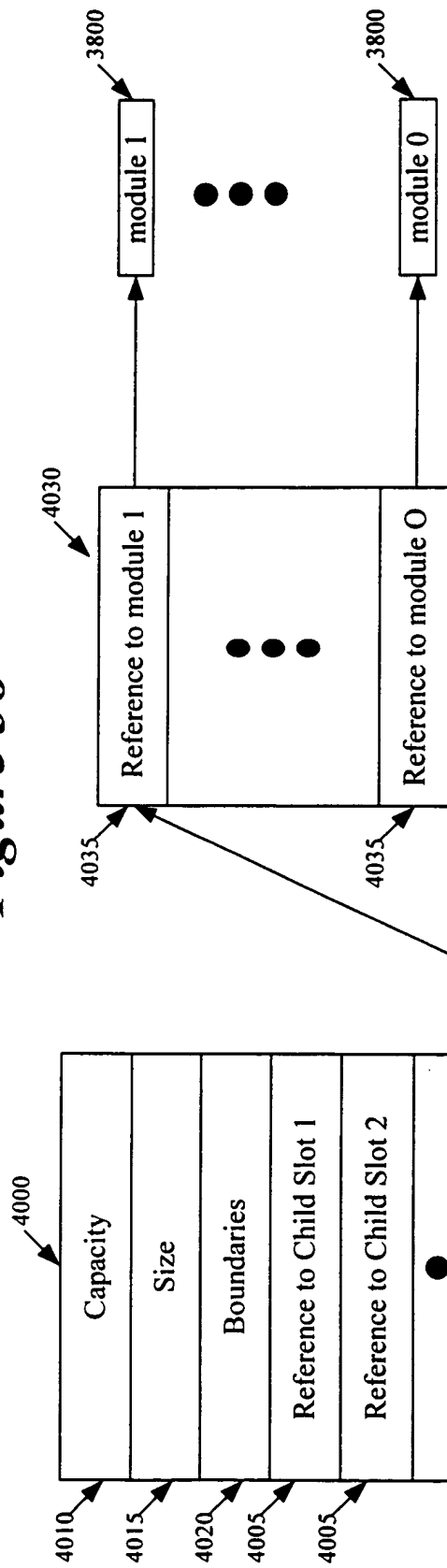


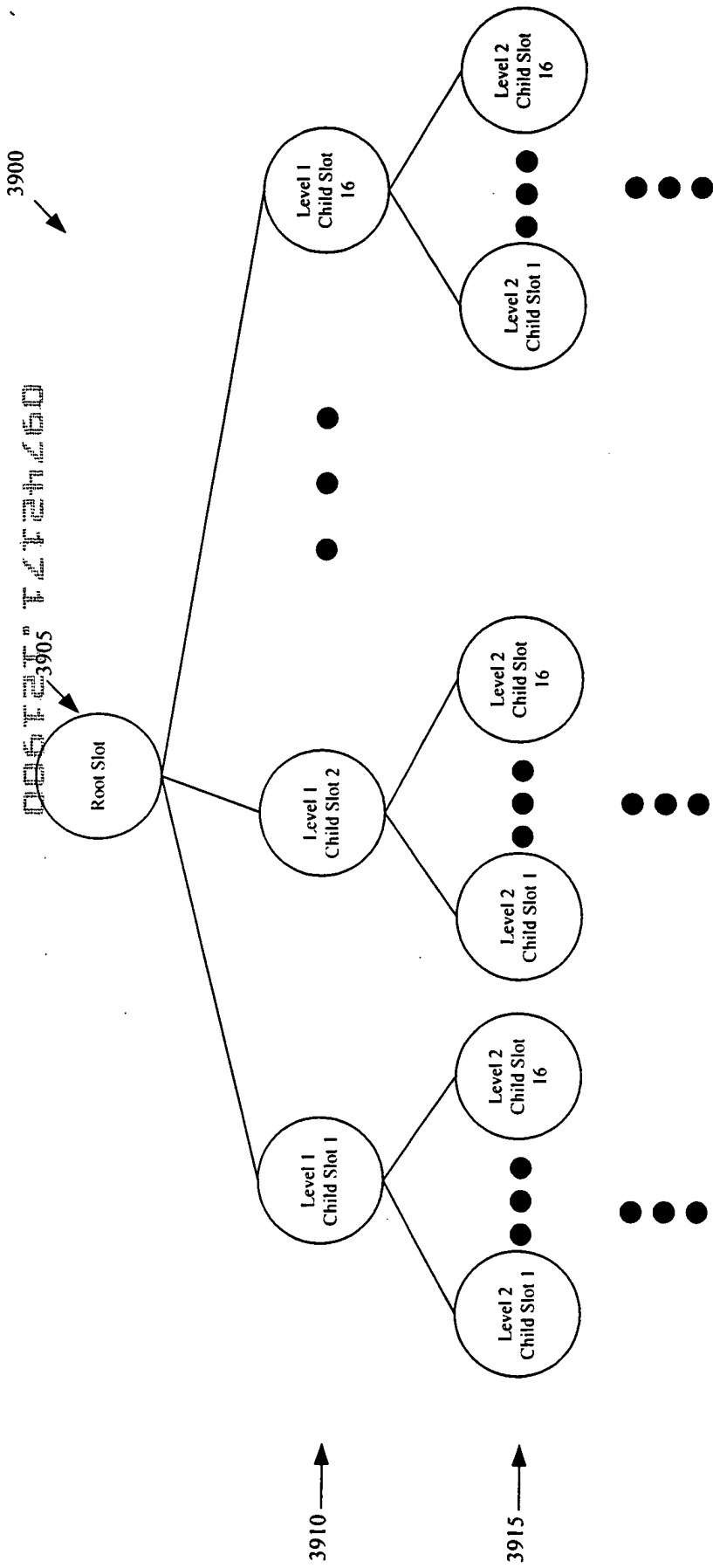
Figure 37



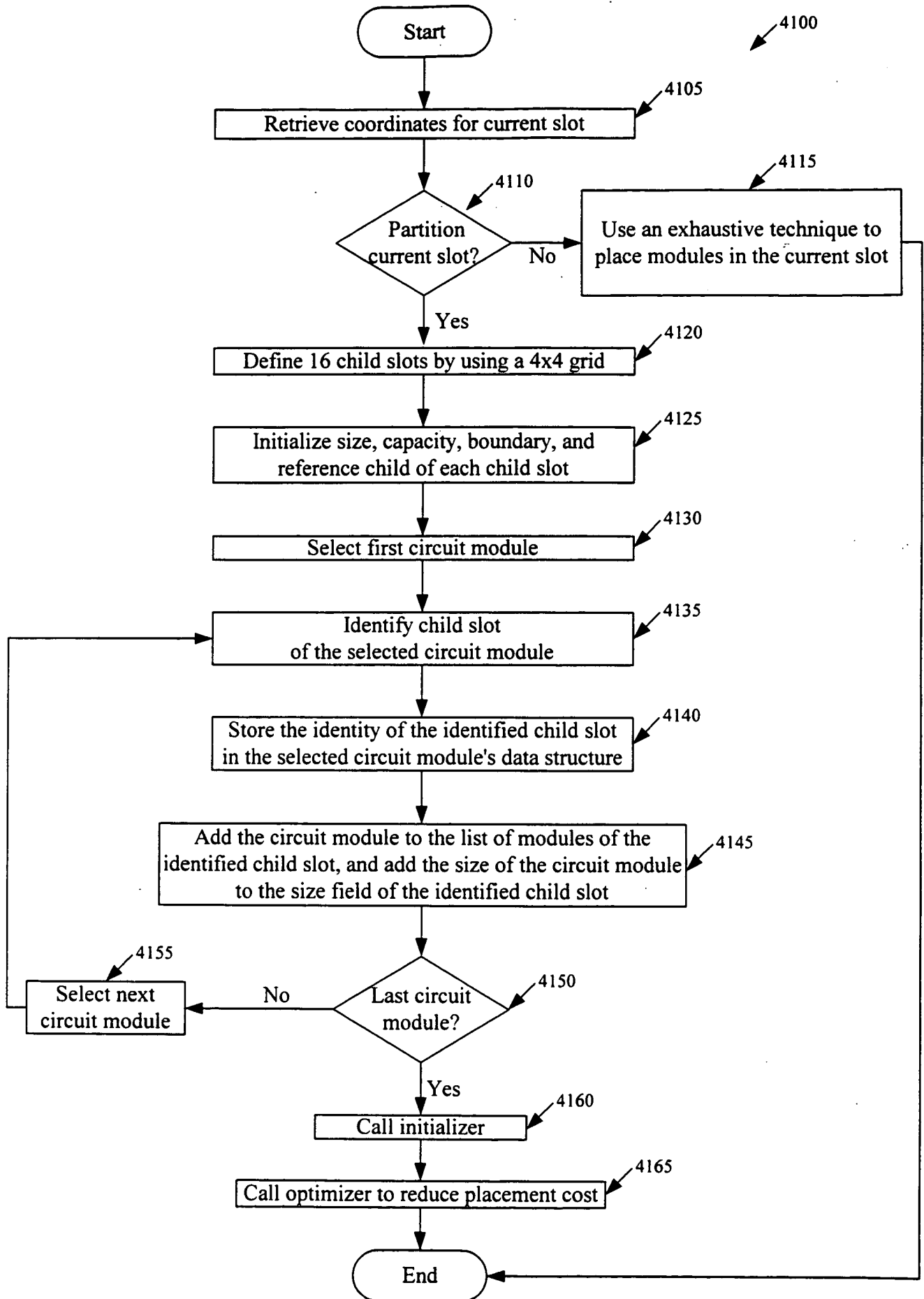
**Figure 38**



**Figure 40**

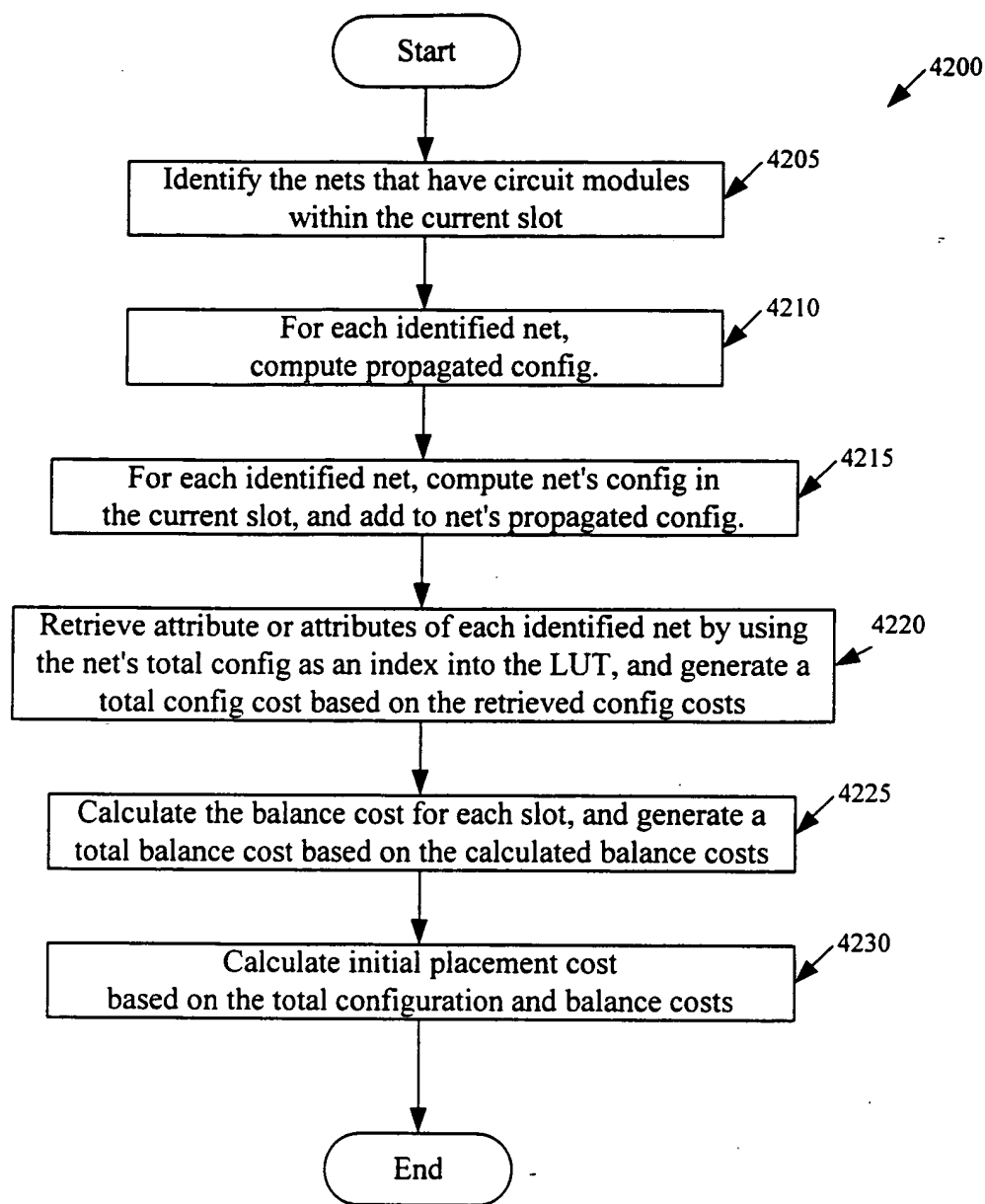


**Figure 39**



**Figure 41**

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*Figure 42*

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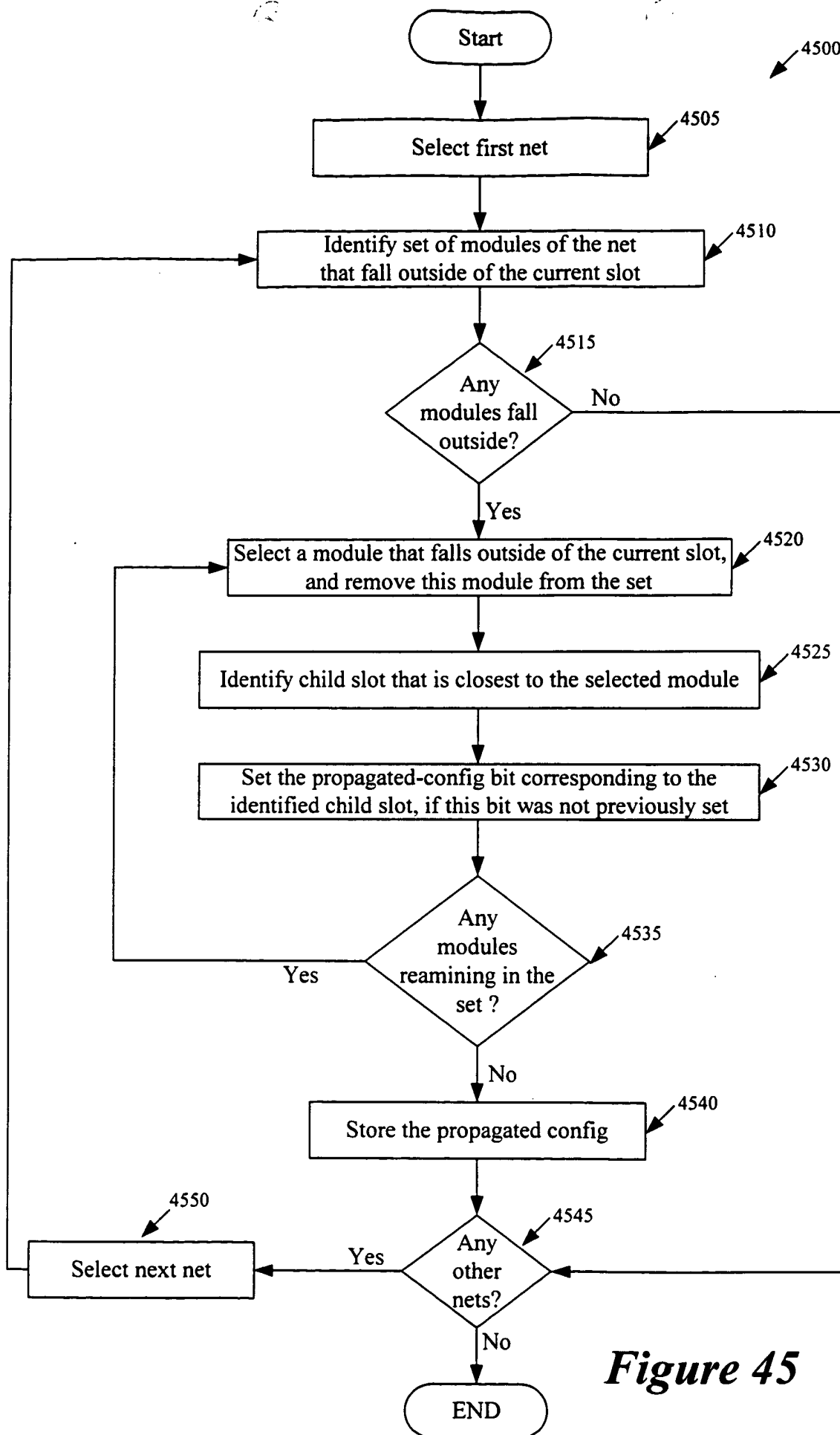
$$\text{Data Structure} = [ \sum_{net} F(\text{netconfig}, \text{path1}), \sum_{net} F(\text{netconfig}, \text{path2}), \sum_{net} F(\text{netconfig}, \text{path3}), \bullet \bullet \bullet \sum_{net} F(\text{netconfig}, \text{path42}) ]$$

**Figure 43**

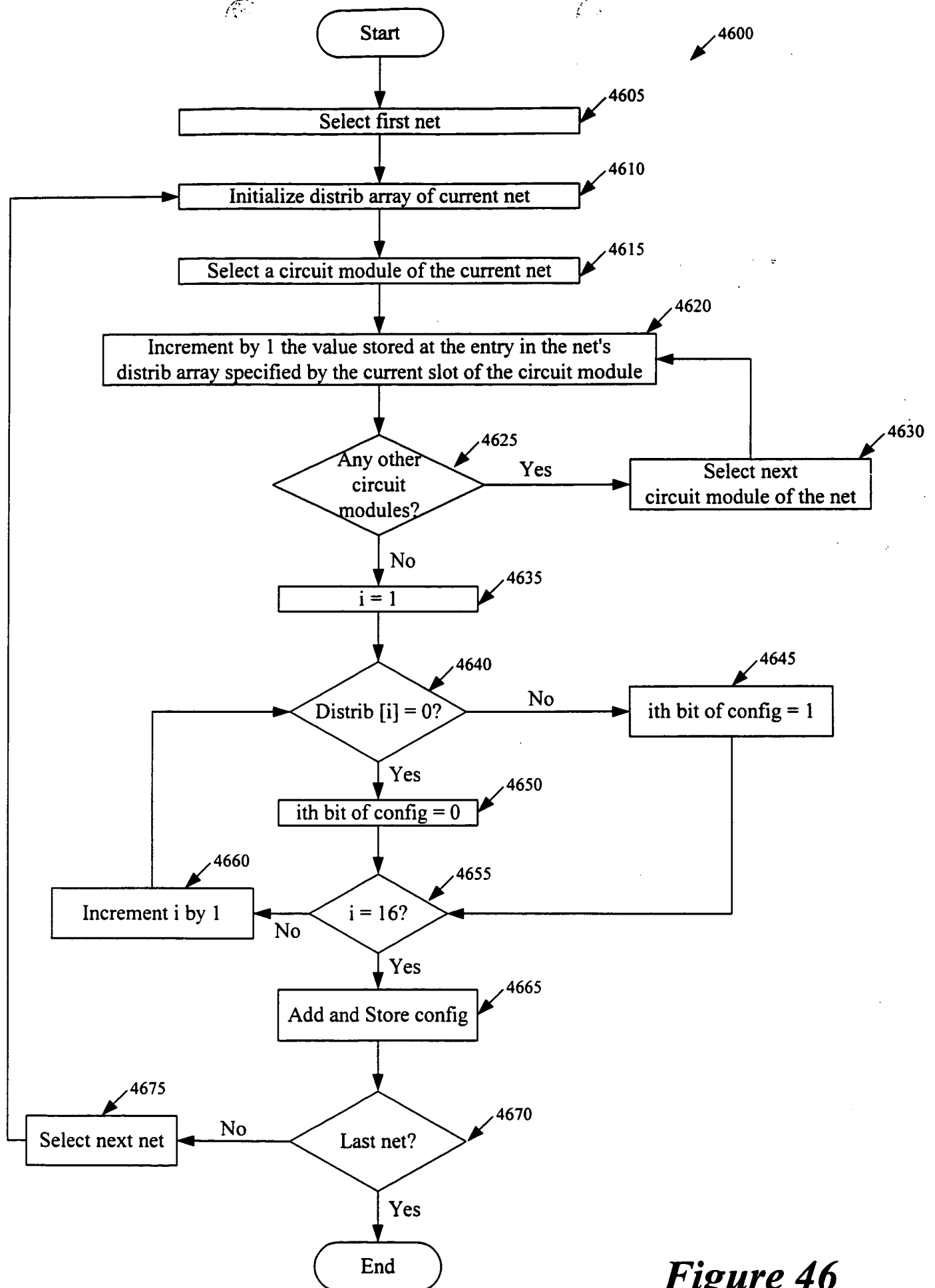


4405 <sub>13</sub>	4405 <sub>14</sub>	4405 <sub>15</sub>	4405 <sub>16</sub>
4405 <sub>9</sub>	<div> <div>4420</div> <div> <div></div> <div></div> </div> </div>	4405 <sub>11</sub>	4405 <sub>12</sub>
<div> <div>4425</div> <div> <div></div> <div></div> </div> </div>	<div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> </div>	<div> <div>4405<sub>6</sub></div> <div>4415</div> </div>	4405 <sub>8</sub>
4405 <sub>5</sub>	<div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> </div>	4405 <sub>7</sub>	
	<div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> </div>		
	<div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> </div>		
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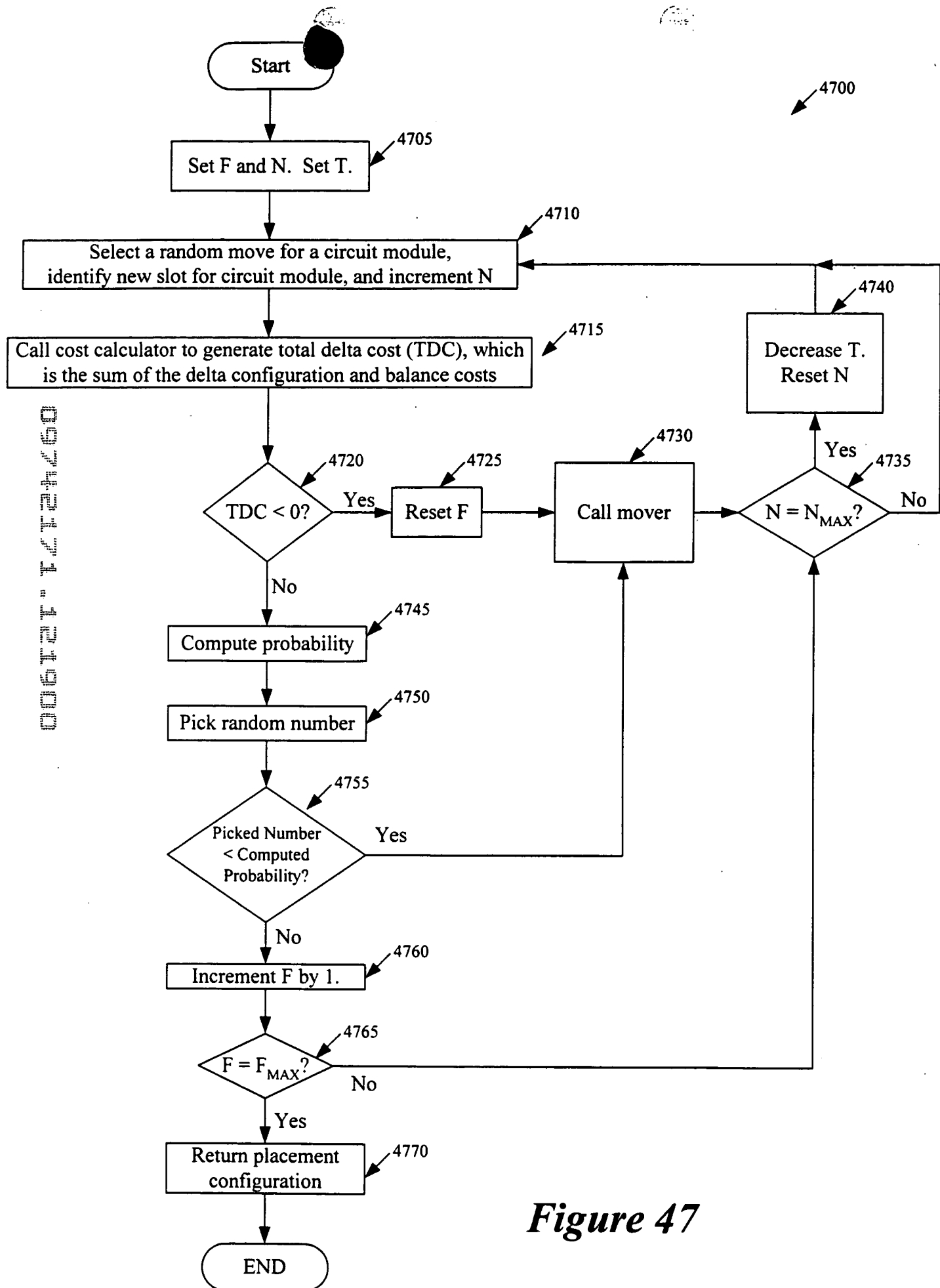
Figure 44



**Figure 45**



**Figure 46**



**Figure 47**

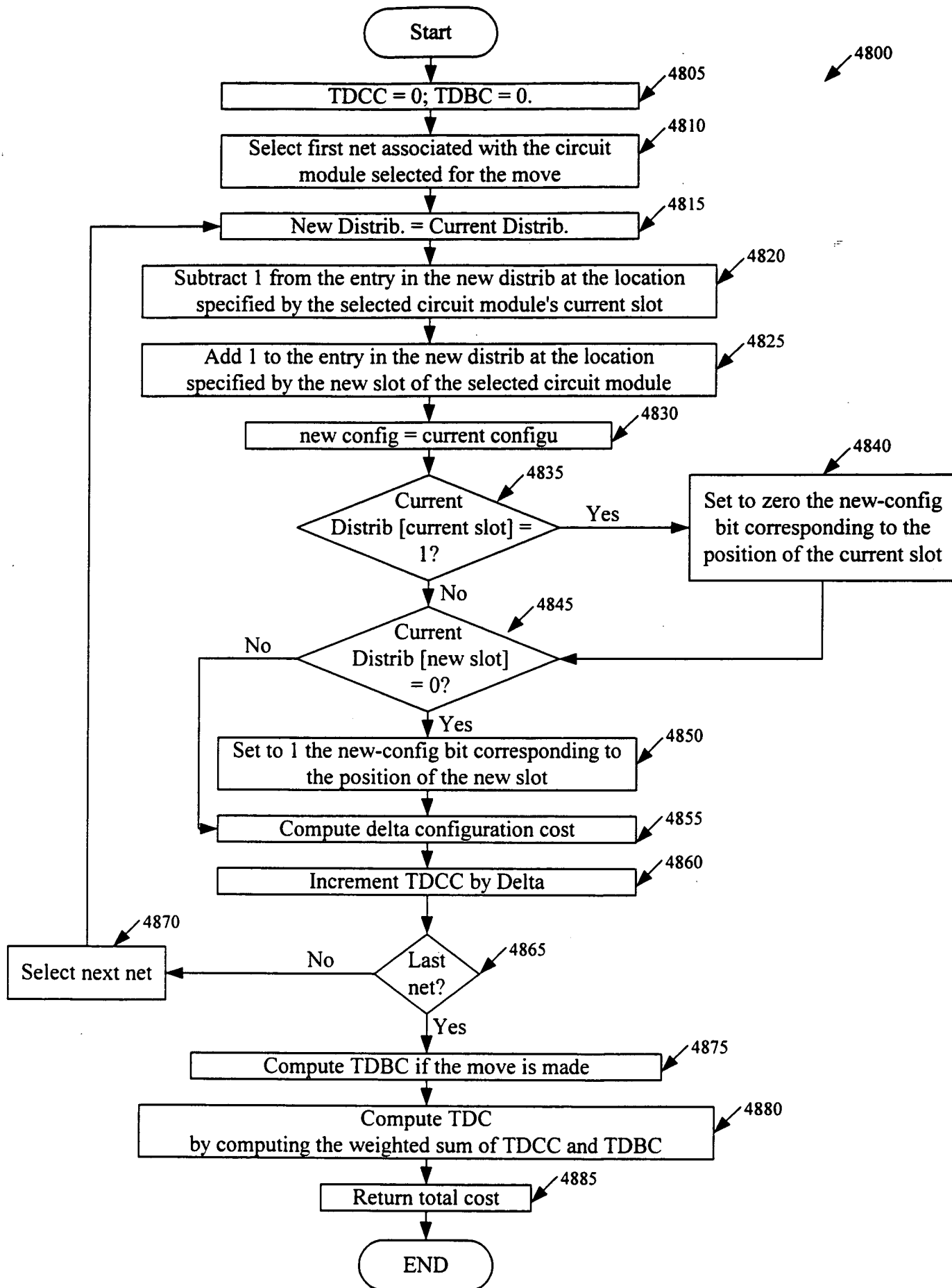
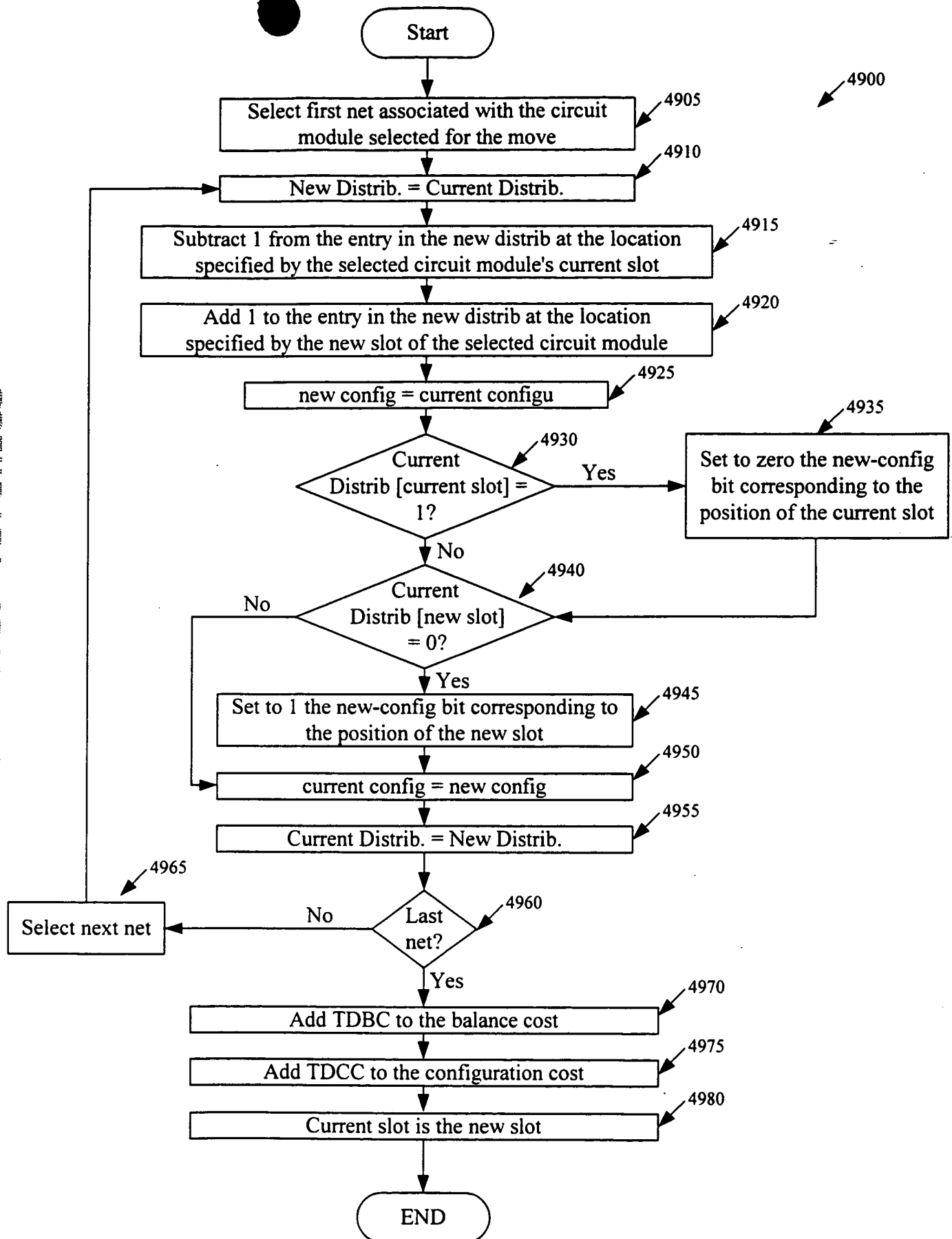


Figure 48



**Figure 49**

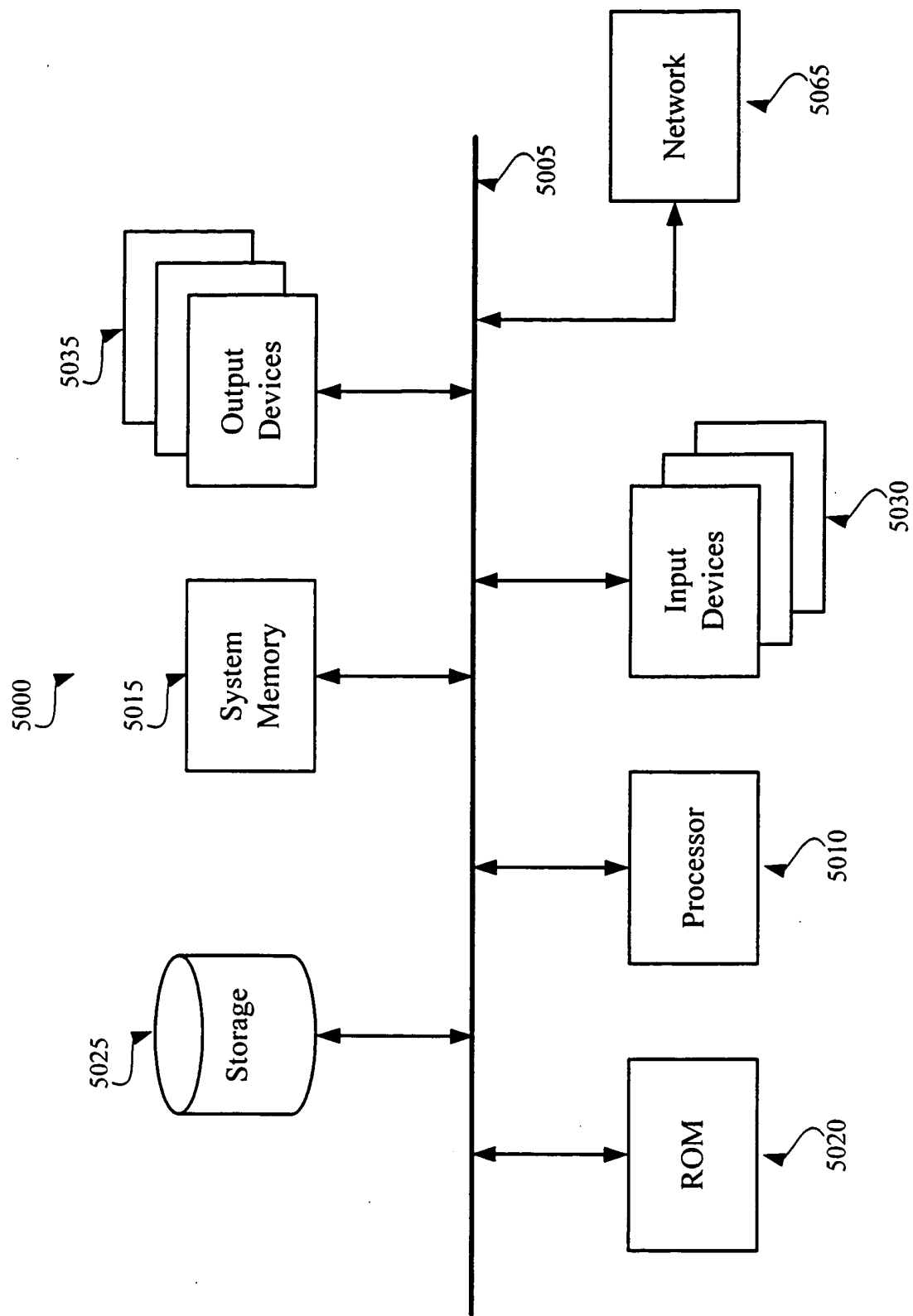


Figure 50